STIC Search Report
EIC 2100

STIC Database Tracking Number: 209990

TO: Michael Pham **Location: RND 3D18** **Art Unit: 2167** **Friday, December 15, 2006** **Case Serial Number: 10/738377**	**From: Terri Beale** **Location: EIC 2100** **Randolph-4B31** **Phone: 571-272-8324** **Terrijor.Beale@uspto.gov**

Search Notes

Michael – Attached is the NPL search for the above referenced case. I tagged a few that I thought might be of interest. Please let me know if you would like for me to refocus the search.

Terri
Terrijor Beale

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DEC 11 2006
BY: ia

Access DB# 209990

(42)

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Michael Pham Examiner #: 81563 Date: 12/11/06
Art Unit: 2167 Phone Number ~~39~~ 23924 Serial Number: 10738377
Mail Box and Bldg/Room Location: 3D18 Results Format Preferred (circle): PAPER DISK E-MAIL
RANDOLPH

If more than one search is submitted, please prioritize searches in order of need.

****

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Byte stream organization w/ improved random & keyed access to information structures

Inventors (please provide full names): Joshua S. Auerbach

Earliest Priority Filing Date: 12/13/03

***For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.**

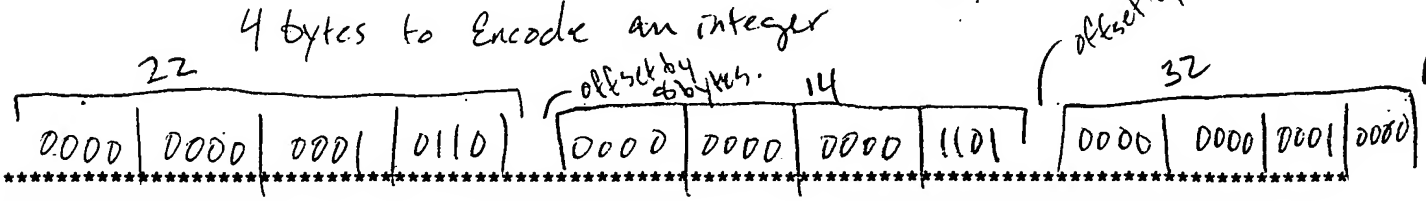
* -> The invention solves the problem of finding row contents corresponding to a specific value of a key column rendering efficient access. [0016]

* -> Efficient keyed Access [0033]
E.g. you don't know where a word starts in the byte stream. Access randomly find offset values, find successive values and deserialize values from byte stream.

* -> ~~This~~ Above is unlike standard systems where you know the offset. e.g. [0030]

4 bytes to Encode an integer

so.



****

STAFF USE ONLY | **Type of Search** | **Vendors and cost where applicable**

STIC Search Results Feedback Form

EIC 2100

Questions about the scope or the results of the search? Contact ***the EIC searcher or contact:***

Alyson Dill, EIC 2100 Team Leader
272-3527, RND 4B28

Voluntary Results Feedback Form

- *I am an examiner in Workgroup:* ☐ *Example: 2133*
- *Relevant prior art **found**, search results used as follows:*
  - ☐ 102 rejection
  - ☐ 103 rejection
  - ☐ Cited as being of interest.
  - ☐ Helped examiner better understand the invention.
  - ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
  (Journal articles, conference proceedings, new product announcements etc.)

- *Relevant prior art **not found:***
  - ☐ Results verified the lack of relevant prior art (helped determine patentability).
  - ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC/EIC2100 RND, 4B28

```
File 347:JAPIO Dec 1976-2006/Aug(Updated 061130)
         (c) 2006 JPO & JAPIO
File 350:Derwent WPIX 1963-2006/UD=200678
         (c) 2006 The Thomson Corporation

Set     Items   Description
S1     456274   ROW OR ROWS OR COLUMN? ?
S2     542102   POINTER OR INDEX? OR KEY? ?
S3     185242   OFFSET OR OFF()SET
S4    4805022   FIND? OR RETRIEV? OR SEARCH??? OR INQUIR??? OR LOOK??? OR -
              TARGET??? OR LOCAT??? OR  TRACK??? OR IDENTIFY??? OR IDENTIFI-
              E? ? OR IDENTIFICATION OR SPOT? ? OR SPOTT??? OR CHECK??? OR -
              DETECT??? OR RECOGNI? OR DISTINGUISH???
S5     685965   S4(3N)(INFORMATION OR INFO OR DATA OR DOCUMENT? OR BYTE? OR
               BIT? ? OR BLOCK? OR CODE? OR PATTERN? OR PAGE? OR WEBPAGE OR
              WEB()PAGE? OR STRING? OR SEQUENCE? OR STREAM OR FILE? OR CONT-
              ENT?)
S6       2410   SERIALI? OR BYTE()STREAM? OR BYTESTREAM?
S7         30   S1(5N)S2(5N)S3
S8          0   S7 AND S5 AND S6
S9          4   S7 AND (S5 OR S6)
S10         1   S9 AND PY=2003:2006
S11         3   S9 NOT S10
S12         0   S1 AND S2 AND S3 AND S5 AND S6
S13       245   S1 AND S2 AND S3
S14        36   S13 AND (S5 OR S6)
S15        17   S14 AND PY=2003:2006
S16        16   S14 NOT (S15 OR S11)
S17        98   AU=(AUERBACH, J? OR AUERBACH J?)
S18         1   S17 AND S3
```

11/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0012621769 - Drawing available
WPI ACC NO: 2002-470286/200250
XRPX Acc No: N2002-371204
Hardware filter for controlling data packet traffic across computer network, releases packets from memory when all column binary numbers are same, otherwise packets are cleared
Patent Assignee: US NAT SECURITY AGENCY (USGO)
Inventor: ROMERO J A
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 6385205	B1	20020507	US 2000500367	A	20000208	200250 B

Priority Applications (no., kind, date): US 2000500367 A 20000208

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6385205	B1	EN	14	8	

...NOVELTY - The converted eight bit octets from **data** packets are **identified** and placed in column headers of the grid. The predetermined row headers are compared with...

Original Publication Data by Authority

Claims:
...binary numbers into said grid squares by grid populating means in response to said grid **column pointer** means, said grid **row pointer** means, and said **offset** values;(k) determining when a given **column** contains squares all of which are binary 1prime s, and subsequently releasing said given packet...

11/3,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0010971705 - Drawing available
WPI ACC NO: 2001-595503/
XRPX Acc No: N2001-443790
Computer program product for accessing database queries, specifies Offset sequence corresponding to row before current cursor position for Offset sequence compiling
Patent Assignee: COMPAQ COMPUTER CORP (COPQ)
Inventor: LOHMAN P N; MELTON M E; WEHRMEISTER R M
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 6289336	B1	20010911	US 1999277054	A	19990326	200167 B

Priority Applications (no., kind, date): US 1999277054 A 19990326

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6289336	B1	EN	14	6	

...normalizer and Row Since function normalizer (146) to parse search condition and to convert the **rows** other than current **row** to **Offset sequence** function for **identified** reference with argument- **index** . An **Offset** sequence compiler (142) compiles each function in normalized database query, which are specified by row...

Original Publication Data by Authority

Original Abstracts:
...and compilation method has special facilities for compiling a query that includes a Rows Since **sequence** function, Rows Since (**search** condition). A query normalizer includes a Rows Since function normalizer for normalizing the Rows Since...

...The Rows Since function normalizer parses the search condition of the Rows Since function to **identify** each reference to **information** from a previously access **row** and converts each such identified reference into an **Offset** sequence function, **Offset** (argument, **index**). The argument of the Offset sequence function is a specified function of the **identified information** from a previously accessed row of the table. The previously accessed row has a position...

...traverses successively earlier rows in the table until it finds a row that satisfies the **search** condition. An offset **sequence** function compiler, compiles each Offset sequence function, Offset(argument, index), in the normalized database query...
Claims:
...sequence function compiler, including: a query normalizer for normalizing a query containing a Rows Since **sequence** function, Rows Since (**search** condition), the query normalizer including a Rows Since function normalizer for normalizing the Rows Since...

...function normalizer including instructions for parsing the search condition of the Rows Since function to **identify** each reference to **information** from a row other than a current row and to convert each such identified reference...

...argument, index), where the argument of the Offset sequence function corresponds to one of the **identified** references to **information** from a **row** other than the current **row** ; and an **offset** sequence function compiler, for compiling each **Offset** sequence function Offset(argument, **index**) in the normalized database query, wherein the argument of the Offset sequence function is a...

11/3,K/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0009322950 - Drawing available
WPI ACC NO: 1999-254503/199921
XRPX Acc No: N1999-189461
IP routing table routing look-up
Patent Assignee: EFFICIENT NETWORKING AB (EFFI-N); EFFNET GROUP AB (EFFN-N)
Inventor: BRODNIK A; CARLSSON S; DEGERMARK M; PINK S
Patent Family (10 patents, 81 countries)
Patent Application

Number	Kind	Date	Number	Kind	Date	Update	
WO 1999014906	A1	19990325	WO 1998SE854	A	19980511	199921	B
AU 199874631	A	19990405	AU 199874631	A	19980511	199933	E
NO 200001309	A	20000502	WO 1998SE854	A	19980511	200034	E
			NO 20001309	A	20000314		
EP 1016245	A1	20000705	EP 1998921991	A	19980511	200035	E
			WO 1998SE854	A	19980511		
SK 200000369	A3	20000912	WO 1998SE854	A	19980511	200055	E
			SK 2000369	A	19980511		
CZ 200000941	A3	20001011	WO 1998SE854	A	19980511	200060	E
			CZ 2000941	A	19980511		
CN 1270728	A	20001018	CN 1998809142	A	19980511	200103	E
US 6266706	B1	20010724	US 199862106	A	19980417	200146	NCE
KR 2001030607	A	20010416	KR 2000702749	A	20000315	200163	E
JP 2001517024	W	20011002	WO 1998SE854	A	19980511	200172	E
			JP 2000512323	A	19980511		

Priority Applications (no., kind, date): US 199862106 A 19980417; SE 19973332 A 19970915

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 1999014906	A1	EN	42	11	
National Designated States,Original: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW					
Regional Designated States,Original: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW					
AU 199874631	A	EN			Based on OPI patent WO 1999014906
NO 200001309	A	NO			PCT Application WO 1998SE854
EP 1016245	A1	EN			PCT Application WO 1998SE854
					Based on OPI patent WO 1999014906
Regional Designated States,Original: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC NL PT SE					
SK 200000369	A3	SK			PCT Application WO 1998SE854
CZ 200000941	A3	CS			PCT Application WO 1998SE854
					Based on OPI patent WO 1999014906
JP 2001517024	W	JA	46		PCT Application WO 1998SE854
					Based on OPI patent WO 1999014906

Original Publication Data by Authority

Original Abstracts:

...masks is stored in a maptable. Then, an array of code words, each encoding a **row index** into the maptable and a **pointer offset** , and an array of base addresses are stored. Finally, the lookup is performed...

...masks is stored in a maptable. Then, an array of code words, each encoding a **row index** into the maptable and a **pointer offset** , and an array of base addresses are stored. Finally, the lookup is performed...

...masks is stored in a maptable. Then, an array of code words, each encoding a **row index** into the maptable and a **pointer offset** , and an array of base addresses are stored. Finally, the lookup is performed...

Claims:

...said storage means an array of code words, each of said code words encoding a **row index** into said maptable and a **pointer offset** ;(g) storing in said storage means an array of base addresses;(h) accessing a

code word at a location corresponding to a first index part (ix) of an IP address in said array of...

16/3,K/12 (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0005029365 - Drawing available
WPI ACC NO: 1990-009951/199002
Real-time database for computer integrated mfg. system - stores, searches, and retrieves tuples in data tables, and stores and retrieves informatted data in input areas
Patent Assignee: HEWLETT-PACKARD CO (HEWP)
Inventor: FATEHI F; GIVENS C; HONG L T; LIU C; LIU C C; LUI C; LUI C C; WRIGHT M J
Patent Family (5 patents, 4 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
EP 350208	A	19900110	EP 1989306620	A	19890629	199002 B
US 4961139	A	19901002	US 1988213578	A	19880630	199042 E
CA 1319756	C	19930629	CA 604425	A	19890629	199332 E
EP 350208	B1	19970108	EP 1989306620	A	19890629	199707 E
DE 68927621	E	19970220	DE 68927621	A	19890629	199713 E
			EP 1989306620	A	19890629	

Priority Applications (no., kind, date): US 1988213578 A 19880630

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
EP 350208	A	EN	16	5	
Regional Designated States,Original: DE FR GB					
CA 1319756	C	EN			
EP 350208	B1	EN	20	5	
Regional Designated States,Original: DE FR GB					
DE 68927621	E	DE			Application EP 1989306620
					Based on OPI patent EP 350208

...**stores, searches, and** retrieves **tuples in** data **tables, and stores** and retrieves **informatted** data **in input areas**

Alerting Abstract ...A real-time database comprises **data** storage routines, **data retrieval** routines, **data** updating routines, and an **index** hashing mechanism, for storing, searching and **retrieving** tuples in **data** tables, and for storing and **retrieving** unformatted **data** in input areas. The **data retrieval** routines include a routine include a routine to directly access to data using tuple identifiers, and a routine to directly access unformatted data from input areas. The **data retrieval** routines for accessing tuples in data tables include an option to read-through-lock to...
...The data updating routines include an option to omit **index** updating when updating data and an option to update data in a locked data table. The data storage routines and the **data retrieval** routines are independent and use has **index** tables to relatee an **index key** to an entry in the data table, so that multiple **indexes** can be defined for a data table. The data table structure includes a **column** defined for storing tuple **identifier strings** .

Equivalent Alerting Abstract ...through-lock" to access data in locked data tables. The capability to directly access to **data** using tuple **identifier** is provided as in the capability to directly access unformatted data from input areas which...

16/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO

06898395 **Image available**
METHOD AND DEVICE FOR **RETRIEVING** **DOCUMENT** **DATA** AND COMPUTER READABLE MEDIUM STORING **DOCUMENT** **DATA** **RETRIEVING** PROGRAM

PUB. NO.: 2001-125905 [JP 2001125905 A]
PUBLISHED: May 11, 2001 (20010511)
INVENTOR(s): ONO MIEKO
KOBAYASHI FUMINAO
TANEISHI TAKESHI
MIZUNO TETSUYA
APPLICANT(s): FUJITSU LTD
APPL. NO.: 11-303928 [JP 99303928]
FILED: October 26, 1999 (19991026)

METHOD AND DEVICE FOR **RETRIEVING** **DOCUMENT** **DATA** AND COMPUTER READABLE MEDIUM STORING **DOCUMENT** **DATA** **RETRIEVING** PROGRAM

ABSTRACT

PROBLEM TO BE SOLVED: To provide a **document** **data** **retrieving** device capable of **retrieving** undefined **document** **data** having a table format without requiring operator's visual check.

SOLUTION: A **retrieving** condition for **document** **data** having a table format consisting of plural lines and plural **columns** is defined as the AND of one or plural unit retrieving conditions by using a reference line as a **key** when the unit retrieving condition is defined as a fact that information satisfying a prescribed condition is written in a line **offset** from the reference line having a prescribed keyword by the prescribed number of lines in...

16/3,K/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO

01898161 **Image available**
DATA CHAINED SCAN SYSTEM

PUB. NO.: 61-112261 [JP 61112261 A]
PUBLISHED: May 30, 1986 (19860530)
INVENTOR(s): SHIRATORI OSAMU
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 59-233765 [JP 84233765]
FILED: November 06, 1984 (19841106)
JOURNAL: Section: P, Section No. 504, Vol. 10, No. 294, Pg. 119, October 07, 1986 (19861007)

ABSTRACT

PURPOSE: To omit the **page** -over **check** with a continuous **row** data chain within a page by discriminating the chain display of the continuous **row** data using a chain field between the inside of a page and the boundary of ...

...access start position of a page area 12 of a main memory 11 to a

pointer 10 and reads out the row data. In this case, a chain field 15 is checked . Then the row data length is added to the pointer 10 if the value of the field 15 is equal to 00, i.e., both the page number and the offset are equal to 0. While a page-over phenomenon, i.e., a fact that the next data exists on other page is recognized when the value of the field 15 is not equal to 00. Then the page...

...the page number of the field 15 is loaded from a DASD 16, and the pointer 10 is replaced to give the second scan to the relevant page.

16/3,K/3 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0012871789 - Drawing available
WPI ACC NO: 2002-730818/200279
Related WPI Acc No: 1997-384735; 1998-427134; 2000-440627; 2001-209991; 2001-217414; 2001-534651; 2002-402621
XRPX Acc No: N2002-576041
Musical notes sounding method for electronic instrument, involves initiating event and subsequent event illustrating chord change or scale change in response to input controller selection in specific rows of controller
Patent Assignee: SHINSKY J K (SHIN-I)
Inventor: SHINSKY J K
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 6448486	B1	20020910	US 199520457	P	19950828	200279 B
			US 1995531786	A	19950921	
			US 1997898613	A	19970722	
			US 1998119870	A	19980721	
			US 1999247378	A	19990210	
			US 2000587443	A	20000605	

Priority Applications (no., kind, date): US 1999247378 A 19990210; US 1998119870 A 19980721; US 1997898613 A 19970722; US 1995531786 A 19950921; US 199520457 P 19950828; US 2000587443 A 20000605

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6448486	B1	EN	86	18	Related to Provisional US 199520457
					C-I-P of application US 1995531786
					C-I-P of application US 1997898613
					C-I-P of application US 1998119870
					C-I-P of application US 1999247378
					C-I-P of patent US 5650584
					C-I-P of patent US 5783767

...**event illustrating chord change or scale change in response to input controller selection in specific rows of controller**
...NOVELTY - Several rows of input controllers are designated for performance of chords and chord notes. Several input controllers in particular rows are designated for performance of remaining scale notes. An event and a subsequent event which...

...change or scale change, are initiated in response to the input controller selection in specific rows . A musical data containing note identification information , is provided according to either of the events.

Title Terms.../Index Terms/Additional Words: **ROW**

Original Publication Data by Authority

Original Abstracts:
...progression section according to the defined customary scale or customary scale equivalent of a song **key** . Further, as each chord is played in the chord progression section, the individual notes of...
Claims:
...instrument, the instrument having a plurality of input controllers, the method comprising:forming a first **row** of input controllers and a second **row** ofinput controllers, wherein a plurality of input controllers in each of the first **row** and second **rows** of input controllers are designated for performance of notes in a given performance, the first **row** and the second **row** being **offset** and adjacent from one another in a first performance group of input controllers;wherein either a plurality of chords corresponding to notes performed in the given performance using the first **row** of input controllers represent chords having different fundamentals or a plurality of chords corresponding to notes performed in the given performance using the second **row** of input controllers represent chords having different fundamentals;designating the plurality of input controllers in the first **row** for performance of either chords, chord notes, or chords and chord notes;designating the plurality of input controllers in the second **row** for performance of either chords, chord notes, or chords and chord notes;forming a third **row** of input controllers, a fourth **row** of input controllers, a fifth **row** of input controllers, and a sixth **row** of input controllers, wherein a plurality of input controllers in each of the third **row** , fourth **row** , fifth **row** , and sixth **rows** of input controllers are designated for performance of notes in the given performance, the third **row** , fourth **row** , fifth **row** , and sixth **rows** of input controllers being **offset** and adjacent from one another in a second performance group of input controllers;designating the plurality of input controllers in the third **row** for performance of remaining scale notes which are defined in accordance with chord notes and scale notes;designating the plurality of input controllers in the fourth **row** for performance of remaining scale notes which are defined in accordance with chord notes and scale notes;designating the plurality of input controllers in the fifth **row** for performance of either chords, chord notes, or chords and chord notes;designating the plurality of input controllers in the sixth **row** for performance of either chords, chord notes, or chords and chord notes;initiating in the...

...chord change or scale change in response to an input controller selection in the first **row** of input controllers;initiating in the given performance a subsequent event representative of at least...

...chord change or scale change in response to an input controller selection in the second **row** of input controllers;providing in the given performance musical **data** containing note- **identifying** **information** in response to an input controller selection in the second performance group of input controllers, wherein at least a portion of the note- **identifying** **information** is provided according to either of the events; andsounding notes on the electronic instrument based on said **musical** data containing note - **identifying** information.

16/3,K/4 **(Item 2 from file: 350)**

DIALOG(R)File 350:Derwent WPIX
(c) 2006 The Thomson Corporation. All rts. reserv.

0010868647 - Drawing available
WPI ACC NO: 2001-487897/200153
XRPX Acc No: N2001-360987
Item list selection system for operating system, has dynamic page allocation system which subdivides list into multiple pages and determines number of display items displayed on a page, based on total number of items
Patent Assignee: DRISKELL S W (DRIS-I)
Inventor: DRISKELL S W
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 6239803	B1	20010529	US 1999291564	A	19990414	200153 B

Priority Applications (no., kind, date): US 1999291564 A 19990414

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6239803	B1	EN	70	8	

Alerting Abstract ...contains any of the items. A dynamic page allocation system subdivides the list into multiple **pages** and **detects** number of list items displayed on a page based on total number of items....item areas are disposed such that each of rectangular areas, is vertically arranged in parallel **columns** with each **column** defining vertical axis such that list item areas define a pair of vertically arranged sub...

...ADVANTAGE - Since the item areas are further separated into pairs of **columns** which define a pair of vertically arranged sub-lists that define a page, it enables...

...to perform item selection from arbitrary long list with notably shorter mouse traverses or fewer **key** strokes. Since the number of items displayed per page is reduced, the common apex of...

Original Publication Data by Authority

Claims:
...such that each of said rectangular areas is vertically arranged in one of two parallel **columns** , each **column** defining a generally vertical axis such that said list item areas define two vertically arranged...

...said computer system including an origin establishing means for defining an origin point which is **offset** from each of said vertical axes;said list item target areas each further comprising an...

16/3,K/5 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2006 The Thomson Corporation. All rts. reserv.

0010142355 - Drawing available
WPI ACC NO: 2000-450790/200039
Related WPI Acc No: 2001-463334
XRPX Acc No: N2000-335538
Synchronous first-in first-out IC memory device has static random access memory cache coupled to DRAM array, for holding portion of input data

Patent Assignee: RAMTRON INT CORP (RAMT-N)
Inventor: TAYLOR C
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 6072741	A	20000606	US 1997840118	A	19970401	200039 B
			US 1999266472	A	19990311	

Priority Applications (no., kind, date): US 1997840118 A 19970401; US 1999266472 A 19990311

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6072741	A	EN	28	11	C-I-P of application US 1997840118 C-I-P of patent US 5901100

Alerting Abstract ...arrays (12A,12B) coupled to receive input data via an input bus (16), store input **data** in a **location** determined by a write **pointer** (24). A SRAM cache (14A,14B) coupled to the DRAM array holds at least a portion of input data of the DRAM, in a location set by a read **pointer** (44). An output bus (50) coupled to the SRAM cache outputs a portion of input...
...the SRAM cache. The output bus has an address bus for selectively placing the read **pointer** at a selected location in the memory array...

...ADVANTAGE - Minimizes delays associated with **row** access, precharge and refresh operations of the DRAM array, by integrating a small **row** SRAM caches associated with the DRAM. The SRAM cache and DRAM array are sufficiently decoupled...

...DRAM and read through the SRAM, giving a low cost memory device. Allows the read **pointer** to return to a previous location or a selected **offset** to a previous location in a memory array, hence the read **pointer** is placed anywhere in the array under user control...

...24 Write **pointer**
...

...44 Read **pointer**

Original Publication Data by Authority

Original Abstracts:
...least one dynamic random access memory ("DRAM") array coupled to the input buffer. A write **pointer** is operative for storing the data in the input buffer to a location within the...

...array indicated and an output bus is coupled to the memory array and a read **pointer** for providing previously written data from the memory array at a location indicated by the read **pointer** . In a preferred embodiment, the FIFO further comprises at least one static random access memory...

...the input and output buses and the memory array having a width corresponding to each **row** of the memory array. In an alternative embodiment, the FIFO memory device includes a "Retransmit...

...allows data to be read from the device multiple times as well as the Read **Pointer** to be selectively placed under user control. In a specific embodiment, the Read or Output...
Claims:

...random access memory array coupled to receive said input data and to store said input **data** therein at a **location** within said memory array determined by a write **pointer** ;a static random access memory cache coupled to said memory array for holding at least...

...portion of said input data stored in said memory array as determined by a read **pointer** ; andan output bus coupled to said memory cache for supplying said at least a...

16/3,K/6 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0009011742 - Drawing available
WPI ACC NO: 1998-567992/199848
XRPX Acc No: N1998-441881
Logical sectors-to-physical sectors mapping method for disk drive in computer system - involves providing partition index table, in which each row is sparing partition index and comprises first column entry corresponding to first encountered index in push-down defect table
Patent Assignee: WESTERN DIGITAL CORP (WDIG-N)
Inventor: HICKEN M S
Patent Family (1 patents, 1 countries)

Patent			Application			
Number	Kind	Date	Number	Kind	Date	Update
US 5822142	A	19981013	US 1996690186	A	19960726	199848 B

Priority Applications (no., kind, date): US 1996690186 A 19960726

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 5822142	A	EN	25	14	

...**involves providing partition** index **table, in which each** row **is sparing partition** index **and comprises first** column **entry corresponding to first encountered** index **in push-down defect table**

Alerting Abstract ...Each **row** in the table is a defect **index** corresponding to the order of a defect encountered in the sequence of physical data sectors. An **offset column** entry is provided referencing to the beginning of partition in which defect occurs. A partition **index** table is provided in which each **row** is a sparing partition **index** , and comprises a first **column** entry corresponding to a first encountered **index** to push-down defect table residing in the sparing partition **index** .

Title Terms.../Index Terms/Additional Words: **INDEX** ; ...

... **ROW** ; ...

... **COLUMN** ;

Original Publication Data by Authority

Original Abstracts:
...a reserve area or reserve zone, store the location of all the bad sectors and **tracks** for converting logical **block** addresses to physical locations on the disk so that data or information can be found...

Claims:
...partitions and if defective sectors exist;providing a push-down defect table wherein each table **row** is a defect **index** corresponding to the order of a defect encountered in the sequence of physical data sectors and comprises an **offset column** entry referenced to the beginning of a partition in which the defect resides; providing a partition **index** table wherein each table **row** is a sparing partition **index** and comprises a first **column** entry corresponding to a first encountered **index** in the push-down defect table residing in the sparing partition **index**.>

16/3,K/7 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0008888348 - Drawing available
WPI ACC NO: 1998-436949/199837
XRPX Acc No: N1998-340489
Java string reference lookup method of column names in database development system - involves updating reference cache by storing cache entry having reference to text string and ordinal for particular column
Patent Assignee: BORLAND INT INC (BORL-N)
Inventor: SHAUGHNESSY S T
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 5787431	A	19980728	US 1996767167	A	19961216	199837 B

Priority Applications (no., kind, date): US 1996767167 A 19961216

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 5787431	A	EN	12	4	

Java string reference lookup method of column names in database development system...
...reference cache by storing cache entry having reference to text string and ordinal for particular column

Original Titles:
Database development system with methods for java- **string** reference **lookups** of **column** names.

Alerting Abstract ...each one storing a reference to a text string representing a name for a given **column** and further storing an ordinal for given **column** . A request including text string which represents the name for particular **column** is given, for ordinal of particular **column** . An attempt is performed to determine the ordinal by examining a reference cache for an entry storing reference which matches with corresponding reference to text string representing name for particular **column** .
...

...no such entry, then ordinal is determined based on text string representing name for particular **column** . The reference cache is updated by storing cache entry having reference to text string and ordinal for particular **column** , so that subsequent requests for ordinal of particular **column** is satisfied based on examination of reference cache. The determined ordinal is provided for particular **column** , so that a program has programmable access information stored at particular **column** .
...

...ADVANTAGE - Improves names-based **column** references processing efficiency.

Title Terms.../Index Terms/Additional Words: **COLUMN** ;

Original Publication Data by Authority

Original Abstracts:
...application development (RAD) environment for creating applications providing named-based programmatic access to information from **columns** in databases is described. For increasing the efficiency by which named-based references to database **columns** are processed by application programs, the system provides methodology for rapid lookups of **column** names, using a reference cache storing 32-bit references to immutable strings (e.g., Java ...

...cache when the cache overflows. Each cache entry stores a reference (e.g., four-byte **pointer** or handle to a string) and an ordinal entry (i.e. the corresponding database ordinal). As a reference to a particular database **column** occurs during execution of a program, the reference cache fills with a reference to that **column** name as well as the corresponding **column** ordinal. Accordingly, program execution proceeds with comparison of existing items in the cache, using a...

...rapid, in-line comparisons involving simple data types (e.g., 32-bit references for the **column** name string). This approach minimizes the need to perform hash **lookups** or **string** comparison operations.
Claims:
In a development system for creating a program which includes programmatic access to **columns** of database tables, an improved method for determining an ordinal representing an **offset** within a database table of a **column** which has been referenced within a program by name, the method comprising:allocating memory for...

...cache entry storing a reference to a text string representing a name for a given **column** and further storing an ordinal for the given **column** ;upon a request for an ordinal of a particular **column** , said request including the text string which represents the name for the particular **column** ,(i) attempting to determine the ordinal by examining the reference cache for an entry storing...
...which matches a corresponding reference to a text string representing the name for the particular **column** ;(ii) if the reference cache has no such entry,(1) determining the ordinal based, at least in part, on comparison of the text string representing the name for the particular **column** , and(2) updating the reference cache by storing a cache entry having a reference to the text string and the ordinal for the particular **column** , so that subsequent requests for the ordinal of the particular **column** can be satisfied based on examination of the reference cache; and(iii) providing the determined ordinal for the particular **column** , so that the program has programmatic access to information stored at the particular **column**.>

16/3,K/8 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0008095115 - Drawing available

WPI ACC NO: 1997-192413/
XRPX Acc No: N1997-159016
Archive and report distribution system using ordered index file - has four-byte offsets pointing to field within row of report data and performs binary search which resolves keys to range of index offsets and uses query that matches smallest range as controlling field for resolving overlap of fields
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: STUART A F
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 5613110	A	19970318	US 1995368824	A	19950105	199717 B

Priority Applications (no., kind, date): US 1995368824 A 19950105

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 5613110	A	EN	21	13	

Archive and report distribution system using ordered index file...

...has four-byte offsets pointing to field within row of report data and performs binary search which resolves keys to range of index offsets and uses query that matches smallest range as controlling field for resolving overlap of...

Original Titles:
Indexing method and apparatus facilitating a binary **search** of digital **data** .

Alerting Abstract ...An ordered **index** file is created for archived report data. Each **index** file contains a series of four-byte offsets into the report data. Each **offset** points to a field within a **row** of the report data from archival storage. Upon later **retrieval** from the report **data** , a binary **search** is performed for a **key** (s) that is contained in a search query, using the **index** field offsets to determine the order in which to **retrieve** the report **data** fields...

...The binary search resolves each **key** in the search query to a range of **index** offsets corresponding to report **rows** that match the query. The search technique optimise final filtering of matches by using the...

...themselves. A range check is performed before the binary search to determine whether the search **key** is outside the range of **keys** that are in the ordered **index files** , preventing unnecessary **searching** of **indexes** that cannot contain the search **key** (s...
...ADVANTAGE - Does not require CPU intensive search **key** comparisons.

Title Terms.../Index Terms/Additional Words: **INDEX** ; ...

... **OFFSET** ; ...

... **ROW** ; ...

... **KEY** ;

Original Publication Data by Authority

Original Abstracts:
An ordered **index** file is created for archived report data wherein each **index** file contains a series of 4-byte offsets into the report data. Each **offset** points to a field within a **row** of the report data from archival storage. Upon later **retrieval** from the report **data** , a binary **search** is performed for a **key** (s) that is contained in a search query, using the **index** field offsets to determine the order in which to **retrieve** the report **data** fields. The binary **search** resolves each **key** in the search query to a range of **index** offsets corresponding to report **rows** that match the query. The search technique optimize final filtering of matches by using the...

...themselves. A range check is performed before the binary search to determine whether the search **key** is outside the range of **keys** that are in the ordered **index** **files** , thereby preventing unnecessary **searching** of **indexes** that cannot contain the search **key** (s).
Claims:
...one report file that contains a plurality of individual pages; each individual one of said **pages** being **identified** by a **page** - **offset** ; each individual one of said pages containing a plurality of individual **rows** of data wherein each of said **rows** of data may contain both text data fields and numeric **data** fields; the physical **location** within a **page** of each individually text-data fields and each individual numeric-**data** fields being **identified** by an associated field- **offset** ; **index** storage means containing an alphabetic-ordered text- **index** for said text-data fields and a number-ordered numeric- **index** for said numeric-data fields; each of said two ordered **indexes** containing a plurality of **index** -addresses; each individual **index** -address pointing to an ordered **index** entry that comprises a page- **offset** and a corresponding field- **offset** that respectively point to a page and to a **row** within said page whereat a corresponding text-data field or a corresponding numeric-data field...
...found within said report file; distributed computing means enabling users to specify an alphabetic search **key** and a number search **key** ; and a search engine responsive to said alphabetic search **key** and to said number search **key** and operable to perform binary **searches** of said report **file** in accordance with said order of said two ordered **indexes** ; said search engine operating to determine a first data field range comprising page-offsets and...

...within said report file wherein all of the associated alphabetic text satisfies said alphabetic search **key** ; said search engine operating to determine a second data field range comprising page-offsets and field-offsets within said data record wherein all of the associated number **data** satisfies said number **search** **key** ; computing means operable to interrogate said first and second data field ranges to determine portions ...

16/3,K/9 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0007265856 - Drawing available
WPI ACC NO: 1995-322681/199542
XRAM Acc No: C1995-143282
XRPX Acc No: N1995-242904
Computer assisted alignment of variable contrast cloth designs - using electronic alignment means to generate offset correcting signals to garment marking means

Patent Assignee: GERBER GARMENT TECHNOLOGY INC (GERB)
Inventor: CHAIKEN C L
Patent Family (7 patents, 5 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
GB 2287786	A	19950927	GB 19955165	A	19950315	199542	B
DE 19509884	A1	19950921	DE 19509884	A	19950317	199543	E
FR 2717348	A1	19950922	FR 19952994	A	19950315	199543	E
JP 8001586	A	19960109	JP 199559460	A	19950317	199610	E
US 5487011	A	19960123	US 1994210303	A	19940317	199610	E
DE 19509884	C2	19980129	DE 19509884	A	19950317	199808	E
GB 2287786	B	19980513	GB 19955165	A	19950315	199821	E

Priority Applications (no., kind, date): US 1994210303 A 19940317

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
GB 2287786	A	EN	55	15	
DE 19509884	A1	DE	17	15	
FR 2717348	A1	FR	68	15	
JP 8001586	A	JA	18		
US 5487011	A	EN	18		
DE 19509884	C2	DE	16	15	

...**using electronic alignment means to generate** offset **correcting signals to garment marking means**

Alerting Abstract ...giving the best alignment. The computer then generates pattern signals with adjustments to remove the **offset** due to fabric misalignment...

Documentation Abstract
...giving the best alignment. The computer then generates pattern signals with adjustments to remove the **offset** due to fabric misalignment...

...video camera (60) is electronically compared to the reference lines (64) to determine a skew **index** . The cloth image is electronically rotated through many angles to determine the rotation to give a minimum skew **index** . Computer marking signals are then generated with an **offset** adjustment to allow for this initial fabric misalignment.

Title Terms.../Index Terms/Additional Words: **OFFSET** ;

Original Publication Data by Authority

Claims:
...giving the best alignment. The computer then generates pattern signals with adjustments to remove the **offset** due to fabric misalignment...

...A method for aligning a garment segment **pattern** at a selected **location** in a marker with a high contrast geometric design in a fabric web on an...

...corresponding to a first central subset of a pixel element positions, including; dividing each pixel **row** of said first computational pixel arrays into a plurality of **row** segments; computing an average pixel intensity value for each of said **row** segments; dividing each pixel **column** of said computational pixel arrays into a plurality of **column** segments; computing an average pixel intensity value for each of said

column segments; generating, for each of said row segments, previous row transition signals corresponding to a difference between average intensity values for a current one of said row segments and a corresponding row segment in a previous row ; generating previous row transition difference signals corresponding to a difference between each corresponding one of said previous row transition signals in said match and image first computational pixel arrays; generating, for each of said row segments, subsequent row transition signals corresponding to a difference between average intensity values for said current one of said row segments and a corresponding row segment in a subsequent column ; generating subsequent row transition difference signals corresponding to a difference between each corresponding one of said subsequent row transition signals in said match and image first computational pixel arrays; generating, for each of said column segments, previous column transition signals corresponding to a difference between average intensity values for a current one of said column segments and a corresponding column segment in a previous column ; generating previous column transition difference signals corresponding to a difference between each corresponding one of said previous column transition signals in said match and image first computational pixel arrays; generating, for each of said column segments, subsequent column transition signals corresponding to a difference between average intensity values for said current one of said column segments and a corresponding column segment in a subsequent column ; generating subsequent row transition difference signals corresponding to a difference between each corresponding one of said subsequent row transition signals in said match and image first computational pixel arrays; generating signals indicative of a first sum of said column segment and said row segment transition differences; configuring, for said match image, a computational pixel array corresponding to a second, non-centered, subset of pixel element positions, including; dividing each pixel row of said second computational pixel arrays into a plurality of row segments; computing an average pixel intensity value for each of said row segments; dividing each pixel column of said second computational pixel arrays into a plurality of column segments; computing an average pixel intensity value for each of said column segments; generating, for each of said row segments, previous row transition signals corresponding to a difference between average intensity values for a current one of said row segments and a corresponding row segment in a previous row ; generating previous row transition difference signals corresponding to a difference between each corresponding one of said previous row transition signals in said match and image second computational pixel arrays; generating, for each of said row segments, subsequent row transition signals corresponding to a difference between average intensity values for said current one of said row segments and a corresponding row segment in a subsequent column ; generating subsequent row transition difference signals corresponding to a difference between each corresponding one of said subsequent row transition signals in said match and image second computational pixel arrays; generating, for each of said column segments, previous column transition signals corresponding to a difference between average intensity values for a current one of said column segments and a corresponding column segment in a previous column ; generating previous column transition difference signals corresponding to a difference between each corresponding one of said previous column transition signals in said match and image second computational pixel arrays; generating, for each of said column segments, subsequent column transition signals corresponding to a difference between average intensity values for said current one of said column segments and a corresponding column segment in a subsequent column ; generating subsequent row transition difference

signals corresponding to a difference between each corresponding one of said subsequent **row** transition signals in said match and image second computational pixel arrays; generating signals indicative of a second sum of said **column** segment and said **row** segment transition differences; and generating signals selecting as a match the one of said match...

16/3,K/10 (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0006245296 - Drawing available
WPI ACC NO: 1993-036004/199304
Related WPI Acc No: 1991-266767
XRPX Acc No: N1993-027620
Matrix transpose digital storage device for memory - writes data in first sequence and retrieves it in second sequence which is transposed from first sequence
Patent Assignee: EASTMAN KODAK CO (EAST)
Inventor: DLUNA L J
Patent Family (1 patents, 1 countries)

Patent			Application			
Number	Kind	Date	Number	Kind	Date	Update
US 5177704	A	19930105	US 1990488822	A	19900226	199304 B
			US 1991691793	A	19910426	

Priority Applications (no., kind, date): US 1990488822 A 19900226; US 1991691793 A 19910426

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 5177704	A	EN	10	6	Continuation of application US 1990488822
					Continuation of patent US 5042007

...**writes data in first** sequence **and** retrieves **it in second** sequence **which is transposed from first sequence**

Alerting Abstract ...locations is coupled to a corresp. read enable line and write enable line, and a **pointer** unit for addressing the read enable lines and the write enable lines. This permits data...

...the first sequence in a second operating mode. A clock generator is coupled to the **pointer** unit which controls the operation of the **pointer** unit...

Original Publication Data by Authority

Original Abstracts:
...locations being coupled to a corresponding read enable line and write enable line, and a **pointer** unit for addressing the read enable lines and the write enable lines to permit data...

...the first sequence in a second operating mode; and a clock generator coupled to the **pointer** unit which controls the operation of the **pointer** unit.
Claims:
...word storage locations being coupled to a corresponding read enable line and write enable line; **pointer** means for addressing said read enable

lines and said write enable lines to permit data...

...second sequence that is transposed from said first sequence in a second operating mode, said **pointer** means comprising a plurality of successive shift-registers each including an input line and an...

...and to the input line of a shift-register of said shift-registers that is **offset** from the corresponding shift register in said second operating mode, and each read multiplexer unit...

...and to the output line of a shift-register of said shift-registers that is **offset** from said one shift-register in said second operating mode; write circuitry means coupled to...

...plurality of word storage locations when their corresponding write enable lines are addressed by said **pointer** means; read circuitry means for sensing data stored in said plurality of word storage locations when their corresponding read enable lines are addressed by said **pointer** means; and a clock generator coupled to said **pointer** means; wherein said **pointer** means selectively addresses said write enable lines in said first mode of operation to sequentially store **row** and **column** matrix data supplied by said write circuitry means matrix data **row** by matrix data **row** in said plurality of word storage locations, and selectively addresses said read enable lines in said second mode of operation to permit said read circuitry means to read said **row** and **column** matrix data matrix data **column** by matrix data **column** from said plurality of word storage locations.

16/3,K/11 (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0006071618 - Drawing available
WPI ACC NO: 1992-309863/199238
XRPX Acc No: N1992-237196
DASD arrays accessing method - utilising correlation between byte offsets of variable length record and byte offset of byte level parity image of data stored
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: MENON J M
Patent Family (4 patents, 3 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
EP 503768	A1	19920916	EP 1992301133	A	19920211	199238	B
US 5257362	A	19931026	US 1991666289	A	19910308	199344	E
EP 503768	B1	19971029	EP 1992301133	A	19920211	199748	E
DE 69222879	E	19971204	DE 69222879	A	19920211	199803	E
			EP 1992301133	A	19920211		

Priority Applications (no., kind, date): US 1991666289 A 19910308

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
EP 503768	A1	EN	10	5	
Regional Designated States,Original: DE FR GB					
US 5257362	A	EN	10	6	
EP 503768	B1	EN	13	6	
Regional Designated States,Original: DE FR GB					
DE 69222879	E	DE			Application EP 1992301133

Based on OPI patent EP 503768

...utilising correlation between byte offsets of variable length record and byte offset of byte level parity image of data stored

Alerting Abstract ...In response to each write request to a selected DASD, the byte position **offset** synchronisation of the record to be updated on the ith track and the record identity...

Equivalent Alerting Abstract ...Write update of variable length records stored in **row** major order on an array of N DASDs is facilitated by utilizing the correlation between byte offsets of a variable length record and the byte **offset** of a byte level parity image of data stored on the same track across N...

Title Terms.../Index Terms/Additional Words: **OFFSET** ;

Original Publication Data by Authority

Original Abstracts:
...and means for accessing arrays of DASDs, write update of variable length records stored in **row** major order on an array of N DASDs is facilitated by utilising the correlation between byte offsets of a variable length record and the byte **offset** of a byte level parity image of data stored on the same track across N...

...is followed by a variable length block data field D. Parity is recorded in the **data** field in physical **track** N in the DASD N. If data field D3 is to be updated and is...

...Write update of variable length records stored in **row** major order on an array of N DASDs is facilitated by utilizing the correlation between byte offsets of a variable length record and the byte **offset** of a byte level parity image of data stored on the same track across N...
Claims:
1. A method for write updating records among variable length formatted (count, **key** , and data) records stored in **row** major order on DASD tracks of an array of N DASDs, comprising the steps of...

...and</br> (b) responsive to each write request to a selected DASD,</br> (1) establishing byte position **offset** synchrony of the record to be updated on the ith track of the selected DASD...

...1. A method for write updating records among variable length formatted (count, **key** , and data) records stored in **row** major order on DASD tracks of an array of N DASDs, comprising the steps of...

...and</br> (b) responsive to each write request to a selected DASD,</br> (1) establishing byte position **offset** synchrony of the record to be updated on the ith track of the selected DASD...

...In a system comprising an array of N DASDs for storing records in **row** major order on counterpart tracks of N-1 of said DASDs and for storing a...

...write request to a record stored on a selected DASD, (1) establishing a byte position **offset** of the record to be modified on the ith track of the selected DASD and...

16/3,K/12 (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0005029365 - Drawing available
WPI ACC NO: 1990-009951/199002
Real-time database for computer integrated mfg. system - stores, searches, and retrieves tuples in data tables, and stores and retrieves informatted data in input areas
Patent Assignee: HEWLETT-PACKARD CO (HEWP)
Inventor: FATEHI F; GIVENS C; HONG L T; LIU C; LIU C C; LUI C; LUI C C; WRIGHT M J
Patent Family (5 patents, 4 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
EP 350208	A	19900110	EP 1989306620	A	19890629	199002	B
US 4961139	A	19901002	US 1988213578	A	19880630	199042	E
CA 1319756	C	19930629	CA 604425	A	19890629	199332	E
EP 350208	B1	19970108	EP 1989306620	A	19890629	199707	E
DE 68927621	E	19970220	DE 68927621	A	19890629	199713	E
			EP 1989306620	A	19890629		

Priority Applications (no., kind, date): US 1988213578 A 19880630

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
EP 350208	A	EN	16	5	
Regional Designated States,Original: DE FR GB					
CA 1319756	C	EN			
EP 350208	B1	EN	20	5	
Regional Designated States,Original: DE FR GB					
DE 68927621	E	DE			Application EP 1989306620
					Based on OPI patent EP 350208

...**stores, searches, and retrieves tuples in data tables, and stores and retrieves informatted data in input areas**

Alerting Abstract ...A real-time database comprises **data** storage routines, **data retrieval** routines, **data** updating routines, and an **index** hashing mechanism, for storing, searching and **retrieving** tuples in **data** tables, and for storing and **retrieving** unformatted **data** in input areas. The **data retrieval** routines include a routine include a routine to directly access to data using tuple identifiers, and a routine to directly access unformatted data from input areas. The **data retrieval** routines for accessing tuples in data tables include an option to read-through-lock to...
...The data updating routines include an option to omit **index** updating when updating data and an option to update data in a locked data table. The data storage routines and the **data retrieval** routines are independent , and use has **index** tables to relatee an **index key** to an entry in the data table, so that multiple **indexes** can be defined for a data table. The data table structure includes a **column** defined for storing tuple **identifier strings** .

Equivalent Alerting Abstract ...through-lock" to access data in locked data tables. The capability to directly access to **data** using tuple **identifier** is provided as in the capability to directly access unformatted data from input areas which...

...The data updating routines include an option to omit **index** updating when updating data and an option to update data in a locked data table. Multiple **indexes** can be defined for a data table. Thus, high speed searches can be performed based on a variety of data fields. The **data** storage and **retrieval** mechanisms are independent and there are hash **index** tables that connect the multiple **index** **keys** to the data tables
...
...The data table structure includes a **column** defined for storing tuple **identifier** **strings** .
...

...base has relatively small programmatic memory. There is a common structure for user data tables, **index** tables and system tables

Original Publication Data by Authority

Original Abstracts:
...provides the predictable, high speed data access required for on-line applications, while providing flexible **searching** capabilities. The **data** **retrieval** routines include the option to "read-through-lock" to access data in locked data tables...

...which contain blocks of unformatted data. The data updating routines include an option to omit **index** updating when updating data and an option to update data in a locked data table. Multiple **indexes** can be defined for a data table. Thus, high speed searches can be performed based on a variety of data fields. The **data** storage and **retrieval** mechanisms are independent and there are hash **index** tables that connect the multiple **index** **keys** to the data tables.The data table structure includes a **column** defined for storing tuple **identifier** **strings** . These tuple identifiers can be used as pointers for chaining to related data stored in
...

...database has relatively small programmatic memory. There is a common structure for user data tables, **index** tables and system tables. The database includes a minimum number of routines with certain routines...

...provides the predictable, high speed data access required for on-line applications, while providing flexible **searching** capabilities. The **data** **retrieval** routines include the option to "read-through-lock" to access data in locked data tables...

...which contain blocks of unformatted data. The data updating routines include an option to omit **index** updating when updating data and an option to update data in a locked data table. Multiple **indexes** can be defined for a data table. Thus, high speed searches can be performed based on a variety of data fields. The **data** storage and **retrieval** mechanisms are independent and there are hash **index** tables that connect the multiple **index** **keys** to the data tables. The data table structure includes a **column** defined for storing tuple **identifier** **strings** . These tuple identifiers can be used as pointers for chaining to related data stored in
...

...base has relatively small programmatic memory. There is a common structure for user data tables, **index** tables and system tables. The database includes a minimum number of routines with certain routines...
Claims:
A real-time database comprises **data** storage routines, **data** **retrieval**

routines, **data** updating routines, and an **index** hashing mechanism, for storing, searching and **retrieving** tuples in **data** tables, and for storing and **retrieving** unformatted **data** in input areas. The **data retrieval** routines include a routine include a routine to directly access to data using tuple identifiers, and a routine to directly access unformatted data from input areas. The **data retrieval** routines for accessing tuples in data tables include an option to read-through-lock to ...

...The data updating routines include an option to omit **index** updating when updating data and an option to update data in a locked data table. The data storage routines and the **data retrieval** routines are independent and use has **index** tables to relatee an **index key** to an entry in the data table, so that multiple **indexes** can be defined for a data table. The data table structure includes a **column** defined for storing tuple **identifier strings** .

...

...gespeichert sind, aufweist, wobei das Datenbankverwaltungssystem folgende Merkmale aufweist:</br> (a) eine Einrichtung zum Definieren eines **Index** auf einer Datentabelle durch das Spezifizieren der Tupeleintraege (613, 617) der Datentabelle, die den Schluesselwert (631) fuer den **Index** aufweisen;</br> (b) eine Hash- **Index** -Tabelleneinrichtung (415) zum Speichern von Tupelidentifizierern, die derart angeordnet sind, dass die Hash- **Index** -Tupelnummern, die eine Folge des Anwendens einer Hash-Codierungsfunktion auf einen gegebenen Schluesselwert fuer einen **Index** sind, den Hash- **Indextabellenorten** entsprechen, die die Tupelidentifizierer enthalten, die Datentabellenorten, die Daten mit dem gegebenen Schluesselwert enthalten, zugeordnet...

...aufweist;</br> (ii) einer Einrichtung (413) zum Anwenden einer Hash-Codierungsfunktion auf den Schluesselwert fuer den **Index** , um eine Hash- **Indextupelnummer** , die einem Ort in einer Hash- **Indextabelle** (415) entspricht, zu bestimmen;</br> (iii) einer Einrichtung zum Speichern des ersten Tupelidentifizierers an dem Hash- **Indextabellenort** , der der bestimmten Hash- **Indextupelnummer** entspricht; und</br> (iv) einer Einrichtung zum Ausgeben des Tupelidentifiziers, der dem Ort in der Datentabelle...

...Anwenden einer Hash-Codierungsfunktion auf den Schluesselwert, um den Ort eines Tupelidentifierers in einer Hash- **Indextabelle** zu bestimmen; und</br> (ii) einer Einrichtung zum Wiedergewinnen der Daten von dem Ort, der dem...

...zum Aktualisieren von Daten in der Datentabelle, die eine Einrichtung zum selektiven Aktualisieren der Hash- **Indextabelle** oder zum Nicht-Aktualisieren der Hash- **Indextabelle** , wenn Daten in einer indizierten Datentabelle modifiziert werden, aufweist...

...1. A real-time data base management system for controlling storage, **retrieval** and modification of **information** in a data collection contained in storage devices in a data processing system and comprising...

...stored in input areas; the data base management system comprising</br> (a) means for defining an **index** on a data table by specifying the tuple entries (613,617) of the data table which include the **key** value (631) for the **index** ;</br> (b) hash **index** table means (415) for storing tuple identifiers arranged so that the hash **index** tuple numbers resulting from applying a hashing function to a given **key** value for an **index**

correspond to the hash **index** table locations containing the tuple identifiers associated with data table locations containing data with the given **key** value;</br> (c) first data storage means (611) for storing data as tuples in data tables...
...and comprising:</br> (i) means for inserting a data tuple to be stored in an available **location** in the **data** table, the **location** having a first tuple identifier;</br> (ii) means (413) for applying a hashing function to the **key** value for the **index** , to determine a hash **index** tuple number corresponding to a location in a hash **index** table (415); and</br> (iii) means for storing the first tuple identifier in the hash **index** table location corresponding to the determined hash **index** tuple number;</br> (iv) means for outputting the tuple identifier corresponding to the **location** in the **data** table where the data tuple was stored;</br> (d) second data storage means for storing unformatted...

...and for outputting an input area identifier and the physical address of the stored unformatted **data** ;</br> (e) first **data retrieval** means for providing indirect access to data in a data table on the basis of a **key** value (631) comprising:</br> (i) means (515) for applying a hashing function to the **key** value to determine the location of a tuple identifier in a hash **index** table; and</br> (ii) means for **retrieving** the **data** from the **location** associated with the tuple **identifier** in the **data** table;</br> (f) second **data retrieval** means for providing direct access to data in a data table on the basis of a tuple identifier, comprising means for **retrieving** the **data** from the **location** associated with the tuple **identifier** in the **data** table;</br> (g) third **data retrieval** means for providing direct access to unformatted data from input areas, comprising means for **retrieving** unformatted **data** using a physical address for the **data** , and means for **retrieving** **data** using an input area identifier and an **offset** value; and</br> (h) data modification means for updating data in the data table, comprising means for selectively updating the hash **index** table or not updating the hash **index** table when modifying data in an **indexed** data table.

16/3,K/13 (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0003165739
WPI ACC NO: 1984-263481/
High performance associative hybrid memory system - meets requirement of automated data processing and has small area
Patent Assignee: SIEMENS AG (SIEI); WOLF G (WOLF-I)
Inventor: WOLF G
Patent Family (13 patents, 12 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
WO 1984003970	A	19841011	WO 1984DE72	A	19840329	198442	B
EP 126896	A	19841205	EP 1984103501	A	19840329	198449	E
DE 3319581	A	19841206	DE 3311665	A	19830330	198450	E
			DE 3319581	A	19830530		
			DE 3334536	A	19830923		
DE 3334536	A	19850404	DE 3311665	A	19830330	198515	E
			DE 3319581	A	19830530		
			DE 3334536	A	19830923		
DE 3334515	A	19850411	DE 3311665	A	19830330	198516	E
			DE 3319581	A	19830530		
			DE 3334515	A	19830923		
			DE 3334536	A	19830923		

EP 139817	A	19850508	EP 1984103495	A	19840329	198519	E
EP 143148	A	19850605	EP 1984103498	A	19840329	198523	E
JP 60501383	W	19850822	JP 1984501437	A	19840329	198540	E
EP 126896	B	19870616	EP 1984103501	A	19840329	198724	E
DE 3464290	G	19870723	DE 3311665	A	19830330	198730	E
			DE 3319581	A	19830530		
			DE 3334536	A	19830923		
EP 139817	B	19871111	EP 1984103495	A	19840329	198745	E
DE 3467437	G	19871217	DE 3311665	A	19830330	198751	E
			DE 3319581	A	19830530		
			DE 3334536	A	19830923		
US 4799149	A	19890117	US 1984681993	A	19841115	198906	E

Priority Applications (no., kind, date): DE 3334536 A 19830923; DE 3319581 A 19830530; DE 3311665 A 19830330; DE 3334515 A 19830923

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 1984003970	A	DE	91	1	

National Designated States,Original: JP US

EP 126896	A	DE

Regional Designated States,Original: AT BE CH DE FR GB IT LI NL SE

EP 139817	A	DE

Regional Designated States,Original: AT BE CH DE FR GB IT LI NL SE

EP 143148	A	DE

Regional Designated States,Original: AT BE CH DE FR GB IT LI NL SE

EP 126896	B	DE

Regional Designated States,Original: AT BE CH DE FR GB IT LI NL SE

EP 139817	B	DE

Regional Designated States,Original: AT BE CH DE FR GB IT LI NL SE

Original Titles:

...Method and device for **searching** **file** **data** corresponding to a given search **key** in a hybrid associative memory...

...Method and device for **searching** **file** **data** corresponding to a given search **key** in a hybrid associative memory...

...Method and device for **searching** **data** stored in a hybrid associative memory with vertical alignment of the character data dependent on...

...of a non-associative basic storage and an associative surface, as well as method for **searching** and sorting **data** stored in such a hybrid associative memory...

...HYBRID ASSOCIATIVE MEMORY AND METHOD FOR THE **RETRIEVAL** AND SORTING OF **DATA** CONTAINED THEREIN

Alerting Abstract ...data units in subunits. The data units in the same group are stored in vertical **columns** , Read and write devices cooperate with addressing devices to find the addresses of fields in...

Equivalent Alerting Abstract ...data unit. The sub-units of all data units of an area are ordered in **offset** fashion in accordance with a prescribed classification pattern. The access to a data unit is internally controlled via an address re-ordering unit for the **row** address in the address controller...

Original Publication Data by Authority

Original Abstracts:
...sets in basic storage with vertical storage of the individual data characters and serial, but **bit** -parallel **checking** of the **data** characters by the associated logic unit of the associative surface using special measures to obtain...

...data unit. The sub-units of all data units of an area are ordered in **offset** fashion therein in accordance with a prescribed classification pattern. The access to a data unit is internally controlled via an address re-ordering unit for the **row** address in the address controller. The re-ordering of the sub-units within the respective...

...subgroups contained in one group, the data subgroups of all groups of a field being **offset** according to a predetermined scheme arrangement. The axis to one data group is effected by...
Claims:
...provided, in each case for a plurality of bits, where said logic-linking units each **check** a **data** unit in associative fashion so that the associative area can in each case be supplied...

...provided, in each case for a plurality of bits, where said logic-linking units each **check** a **data** unit in associative fashion so that the associative area can in each case be supplied...

...A method of **searching** for **data** , in accordance with a predetermined **search** argument, in a **data** sequence which is composed of equal sized, smallest units as checking units, e.g. characters...

...from the predetermined start element of the data sequence, the individual characters of the data **sequence** are firstly consecutively **checked** with the first character of the search argument until a hit is recognised whereupon a...

...c) for such time as the hit chain exists, all the following characteris of the **data** **sequence** are **checked** with the respective, assigned, consecutive characters of the search argument. d) if the end of...
...when all the characters of the search argument have been processed or when all the **data** **sequences** have been **checked** , otherwise it is continued in accordance with step (a...

...A method of **searching** for **data** , in accordance with a predetermined **search** argument, in a **data** sequence which is composed of equal sized, smallest units as checking units, e.g. characters...

...from the predetermined start element of the data sequence, the individual characters of the data **sequence** are firstly consecutively **checked** with the first character of the search argument until a hit is recognised whereupon a...

...c) for such time as the hit chain exists, all the following characteris of the **data** **sequence** are **checked** with the respective, assigned, consecutive characters of the search argument. d) if the end of...

...when all the characters of the search argument have been processed or when all the **data** **sequences** have been **checked** , otherwise it is continued in accordance with step (a) (15pp)

16/3,K/14 (Item 12 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0002744925
WPI ACC NO: 1983-783627/
Peripheral and end milling tool with turnover bits - has end bit carriers radially located in grooves against cylindrical central member
Patent Assignee: KRUPP GMBH FRIED (KRPP)
Inventor: JESTER W; KRUGER H
Patent Family (6 patents, 4 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
DE 3211136	A	19831006	DE 3211136	A	19820326	198341	B
GB 2117295	A	19831012	GB 19838141	A	19830324	198341	E
FR 2523885	A	19830930				198344	E
DE 3211136	C	19840112	DE 3211136	A	19820326	198403	E
			DE 3211136	A	19820326		
US 4519731	A	19850528	US 1983476341	A	19830315	198524	E
GB 2117295	B	19851009				198541	E

Priority Applications (no., kind, date): DE 3211136 A 19820326

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
DE 3211136	A	DE	22	5	
DE 3211136	C	DE		5	

...**has end bit carriers radially located in grooves against cylindrical central member**

Alerting Abstract ...milling tool comprises a main body (1) carrying (e.g. eight) circumferentially spaced and relatively **offset rows** (2,3). Each has axially spaced turnover cutting bits (4) for peripheral milling action. At...

Equivalent Alerting Abstract ...milling tool comprises a main body (1) carrying (e.g. eight) circumferentially spaced and relatively **offset rows** (2,3). Each has axially spaced turnover cutting bits (4) for peripheral milling action. At...

...with a radial recess. Cutting plates are disposed along the circumferential side and arranged in **rows** each extending in the longitudinal direction of the supporting body. At least one of the...

Original Publication Data by Authority

Original Abstracts:
...recess. A plurality of cutting plates are disposed along the circumferential side and arranged in **rows** each extending generally in the longitudinal direction of the supporting body. At least one of...
Claims:
...A milling cutter comprising a cutter body carrying **indexable** inserts arranged in longitudinally extending **rows** on its periphery and at least one four sided cassette carrying at least one **indexable** insert which provides both a face and a peripheral cut, each cassette being releasably mounted...

16/3,K/15 (Item 13 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0001766352
WPI ACC NO: 1979-A9271B/
Tree trunk dia. measuring appts. - has complementary matrices of optical fibres to create collimated light field
Patent Assignee: HAMMAR M (HAMM-I)
Inventor: HAMMAR M
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
DE 2730854	A	19790125	DE 2730854	A	19770708	197905 B
			DE 2730854	A	19770708	

Priority Applications (no., kind, date): DE 2730854 A 19770708

Alerting Abstract ...is to be measured is passed through a measuring station (40). The trunk is axially **located** by a V- **block** guides (42, 43). The measuring station has side members with a vertical cover (44) which...

...The fibres, which are of conventional construction, have a central core of high refractive **index** and a coating of lower refractive **index** . The may be separated by a spacing of about 1mm and arranged in three vertical **rows** **offset** from one another. Collimated light is transmitted from one array to the other and detection...

16/3,K/16 (Item 14 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0001432543
WPI ACC NO: 1977-J2737Y/
Colour coded indexing system - has ten positional bars and colour coded tabs with transparent portion
Patent Assignee: CUNNINGHAM W F (CUNN-I)
Inventor: CUNNINGHAM W F
Patent Family (2 patents, 2 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 4050719	A	19770927	US 1976717164	A	19760824	197740 B
			US 1976717164	A	19760824	
CA 1082557	A	19800729				198033 E

Priority Applications (no., kind, date): US 1976717164 A 19760824

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
CA 1082557	A	EN			

Colour coded indexing system...

Original Titles:
Color coded **indexing** system

Alerting Abstract ...Proper filing of **documents** so **identified** will establish a colour coded set position pattern for any desired filling system.

Title Terms.../Index Terms/Additional Words: **INDEX** ;

Original Publication Data by Authority

Original Abstracts:
A color coded **indexing** system to facilitate filing and **retrieval** of **documents** comprising two 10-position digital bars spaced longitudinally from each other on each opposed surface...

...on the obverse surface closely adjacent the document edge and those on the reverse surface **offset** inwardly from the edge; and 10 sets of separable color coded single digit tabs with...
...set having a different color and displaying one of the digits 0-9 in two **columns** , the righthand **column** being closely adjacent the longitudinal center line of the strip and the lefthand **column** being **offset** laterally from that center line, and transparent windows to the right of each digit, each...

...bars identifying the thousands and units digits of the document number, and proper filling of **documents** so **identified** will provide a color coded set position pattern for any desired filing system.
?

18/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0015107726 - Drawing available
WPI ACC NO: 2005-457205/200546
XRPX Acc No: N2005-371761
Method for organizing byte stream of message, involves accessing information from stream using offset calculations and layout computed from tree representation of schema in message by depth enumeration of leaf nodes of schema
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: **AUERBACH J S**
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 20050131917	A1	20050616	US 2003738377	A	20031213	200546 B

Priority Applications (no., kind, date): US 2003738377 A 20031213

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20050131917	A1	EN	29	9	

Method for organizing byte stream of message, involves accessing information from stream using offset calculations and layout computed from tree representation of schema in message by depth enumeration of...
Inventor: **AUERBACH J S**
...each schema node. The information from the byte stream is accessed using the layout and **offset** calculations.

Title Terms.../Index Terms/Additional Words: OFFSET ;

Original Publication Data by Authority

Inventor name & address:
Auerbach, Joshua S ...
Original Abstracts:
...concept of column-order so as to apply to arbitrarily nested tables. Using well-known **offset** calculation techniques within the nested lists that result from nested column order, the invention achieves...
Claims:
...to each schema node; andaccessing information from the byte stream by using the layout **and** offset calculations.

```
File 348:EUROPEAN PATENTS 1978-2006/ 200650
         (c) 2006 European Patent Office
File 349:PCT FULLTEXT 1979-2006/UB=20061207UT=20061130
         (c) 2006 WIPO/Thomson

Set     Items   Description
S1     417855   ROW OR ROWS OR COLUMN? ?
S2     437042   POINTER OR INDEX? OR KEY? ?
S3     177599   OFFSET OR OFF()SET
S4    2496272   FIND? OR RETRIEV? OR SEARCH??? OR INQUIR??? OR LOOK??? OR -
            TARGET??? OR LOCAT??? OR  TRACK??? OR IDENTIFY??? OR IDENTIFI-
            E? ? OR IDENTIFICATION OR SPOT? ? OR SPOTT??? OR CHECK??? OR -
            DETECT??? OR RECOGNI? OR DISTINGUISH???
S5     450437   S4(3N)(INFORMATION OR INFO OR DATA OR DOCUMENT? OR BYTE? OR
             BIT? ? OR BLOCK? OR CODE? OR PATTERN? OR PAGE? OR WEBPAGE OR
            WEB()PAGE? OR STRING? OR SEQUENCE? OR STREAM OR FILE? OR CONT-
            ENT?)
S6       7314   SERIALI? OR BYTE()STREAM? OR BYTESTREAM?
S7       7985   S1(5N)S2
S8        170   S7(15N)S3
S9          0   S8(25N)S5(25N)S6
S10         0   S8(50N)S5(50N)S6
S11         1   S8(100N)S5(100N)S6
S12        37   S8(100N)(S5 OR S6)
S13         8   S12 AND PY=2003:2006
S14        29   S12 NOT S13
S15         0   S14/TI,AB
S16        20   S8(50N)(S5 OR S6)
S17         6   S16 AND PY=2003:2006
S18        14   S16 NOT S17
S19        14   S18 NOT S11
S20        85   S1(3N)S2(3N)S3
S21         7   S20(5N)S5
S22         1   S21 AND PY=2003:2006
S23         0   S21 NOT (S22 OR S7 OR S11)
S24        23   AU=(AUERBACH, J? OR AUERBACH J?)
S25         0   S24 AND S3
S26         7   S24 AND S2
```

11/3,K/1 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

01313061 **Image available**

METHOD FOR AT LEAST PARTIALLY COMPENSATING FOR ERRORS IN INK DOT PLACEMENT DUE TO ERRONEOUS ROTATIONAL DISPLACEMENT

PROCEDE POUR LA COMPENSATION AU MOINS PARTIELLE D'ERREURS DANS LE PLACEMENT POINTS D'ENCRE DUES A UN DEPLACEMENT ROTATIONNEL ERRONE

Patent Applicant/Assignee:
SILVERBROOK RESEARCH PTY LTD, 393 Darling Street, Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
WALMSLEY Simon Robert Walmsley, Silverbrook Research Pty Ltd, 393 Darling Street, Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality), (Designated only for: US)
SILVERBROOK Kia, Silverbrook Research Pty Ltd, 393 Darling Street, Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality), (Designated only for: US)
JACKSON PULVER Mark, Silverbrook Research Pty Ltd, 393 Darling Street, Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality), (Designated only for: US)
SHEAHAN John Robert, Silverbrook Research Pty Ltd, 393 Darling Street, Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality), (Designated only for: US)
PLUNKETT Richard Thomas, Silverbrook Research Pty Ltd, 393 Darling Street, Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality), (Designated only for: US)
WEBB Michael John, Silverbrook Research Pty Ltd, 393 Darling Street, Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality), (Designated only for: US)
MORPHETT Benjanim David, Silverbrook Research Pty Ltd, 393 Darling Street, Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality), (Designated only for: US)

Patent and Priority Information (Country, Number, Date):
Patent: WO 2005120835 A1 20051222 (WO 05120835)
Application: WO 2004AU706 20040527 (PCT/WO AU04000706)
Priority Application: WO 2004AU706 20040527
Designated States:
(All protection types applied unless otherwise stated - for applications 2004+)
AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 618378

Fulltext Availability:
Claims

Claim
... layer (CMYK) is either a non-compressed bytestrearn or is compressed to an interleaved JPEG **bytestream** . The JPEG **bytestream** is complete

and self-contained. It contains all data required for decompression,
including quantization and...
?

19/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01319574
Printer, printing method, and data storage medium
Drucker, Druckverfahren, und Datenspeichermedium
Imprimante, methode d'impression, et support d'enregistrement de donnees
PATENT ASSIGNEE:
SEIKO EPSON CORPORATION, (730004), 4-1, Nishishinjuku 2-chome, Shinjuku-ku, Tokyo 163-0811, (JP), (Applicant designated States: all)
INVENTOR:
Minowa, Masahiro, c/o Seiko Epson Corporation, 3-5, Owa 3-chome, Suwa-shi, Nagano-ken 392-0811, (JP)
LEGAL REPRESENTATIVE:
Hoffmann, Eckart, Dipl.-Ing. (5571), Patentanwalt, Bahnhofstrasse 103, 82166 Grafelfing, (DE)
PATENT (CC, No, Kind, Date): EP 1128323 A2 010829 (Basic)
EP 1128323 A3 020529
APPLICATION (CC, No, Date): EP 2000128130 001222;
PRIORITY (CC, No, Date): JP 99371200 991227
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS (V7): G06K-015/10; B41J-019/20
ABSTRACT WORD COUNT: 183
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200135	2285
SPEC A	(English)	200135	7804
Total word count - document A			10089
Total word count - document B			0
Total word count - documents A + B			10089

...CLAIMS one end of the print head movement range in the print head scanning direction by **search** -scanning **data** stored in the operation results storage correlated to a dot column position of the print...

...wherein information stored in the operation results storage is stored as logic value array data **indexed** to a dot **column** position in the valid printing range of the print head including the **offset** amount, and

the print head movement range calculator defines as one end of the print...

19/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01017398
Cache memory with reduced access time
Cachespeicher mit verminderter Zugriffszeit
Antememoire a temps d'acces reduit

PATENT ASSIGNEE:
  Hewlett-Packard Company, (206030), 3000 Hanover Street, Palo Alto, California 94304, (US), (applicant designated states: AT;BE;CH;CY;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)
INVENTOR:
  Naffziger, Samuel D., 3749 Ashmount Dr., Fort Collins, CO 80525, (US)
LEGAL REPRESENTATIVE:
  Schoppe, Fritz, Dipl.-Ing. (55463), Schoppe & Zimmermann Patentanwalte Postfach 71 08 67, 81458 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 911737 A1 990428 (Basic)
APPLICATION (CC, No, Date): EP 98108916 980515;
PRIORITY (CC, No, Date): US 955821 971022
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS (V7): G06F-012/10;
ABSTRACT WORD COUNT: 224

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9917	410
SPEC A	(English)	9917	2879
Total word count - document A			3289
Total word count - document B			0
Total word count - documents A + B			3289

...SPECIFICATION and the corresponding mask bits. When a line is accessed in the cache, the virtual **index** bits select a **row** in the CAM structure 220. The CAM structure 220 compares the stored page **offset** bits (from offset bits 224) to the received page offset bits 222 (in the virtual address 200). For the CAM structure 220, the stored mask bits indicate for each offset **bit location** whether the offset **bits** should he included in the comparison. Likewise, physical CAM 206 includes the offset bits and...

19/3,K/3 (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00920313
A MICROPROCESSOR CONFIGURED TO TRANSLATE INSTRUCTIONS FROM ONE INSTRUCTION SET TO ANOTHER, TO STORE AND EXECUTE THE TRANSLATED INSTRUCTIONS
MIKROPROZESSOR ZUR BEFEHLSUBERSETZUNG VON EINEM ERSTEN BEFEHLSSATZ ZU EINEM ZWEITEN BEFEHLSSATZ, SPEICHERUNG UND AUSFUHRUNG DER UBERSETZTEN BEFEHLE
MICROPROCESSEUR CONFIGURE POUR TRADUIRE DES INSTRUCTIONS D'UN ENSEMBLE D'INSTRUCTIONS EN UN AUTRE ENSEMBLE D'INSTRUCTIONS TRADUITES QU'IL STOCKE ET EXECUTE
PATENT ASSIGNEE:
  Advanced Micro Devices, Inc., (2202740), Mail Stop 562, 5204 East Ben White Boulevard, Austin, TX 78741, (US), (Proprietor designated states: all)
INVENTOR:
  IRETON, Mark, A., 6005 Roxbury Lane, Austin, TX 78739, (US)
LEGAL REPRESENTATIVE:
  Wright, Hugh Ronald (38051), Brookes & Martin 52/54 High Holborn, London WC1V 6SE, (GB)
PATENT (CC, No, Kind, Date): EP 925538 A1 990630 (Basic)
EP 925538 B1 010228
WO 9800779 980108
APPLICATION (CC, No, Date): EP 97931447 970626; WO 97US11150 970626

PRIORITY (CC, No, Date): US 672475 960628
DESIGNATED STATES: DE; GB; IT
INTERNATIONAL PATENT CLASS (V7): G06F-009/318; G06F-009/38
NOTE:
No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200109	667
CLAIMS B	(German)	200109	546
CLAIMS B	(French)	200109	749
SPEC B	(English)	200109	7110
Total word count - document A			0
Total word count - document B			9072
Total word count - documents A + B			9072

...SPECIFICATION cache line. For a 32 byte cache line, for example, the first portion comprises 5 **bits** **identifying** the offset within the cache line. The second portion is the index portion of the...

...portion includes the least significant bits of the address which are not included in the **offset** portion of the address. The **index** identifies a **row** within the cache storage in which the corresponding cache line may be stored. One or...

19/3,K/4 (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00732034
System and method for modifying position-sensitive data
System und Verfahren zum Editieren von positionssensitiven Daten
Systeme et procede pour modifier des donnees sensibles a la position
PATENT ASSIGNEE:
INTERNATIONAL BUSINESS MACHINES CORPORATION, (200123), , Armonk, NY 10504, (US), (applicant designated states: DE;FR;GB)
INVENTOR:
Bailey, Wayne Paul, 6644 Cherokee Ct., Longmont, Colorado 80503, (US)
LEGAL REPRESENTATIVE:
Burt, Roger James, Dr. (52152), IBM United Kingdom Limited Intellectual Property Department Hursley Park, Winchester Hampshire SO21 2JN, (GB)
PATENT (CC, No, Kind, Date): EP 690393 A2 960103 (Basic)
APPLICATION (CC, No, Date): EP 95304185 950616;
PRIORITY (CC, No, Date): US 269333 940630
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS (V7): G06F-017/21; G06F-017/24;
ABSTRACT WORD COUNT: 151

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	455
SPEC A	(English)	EPAB96	9647
Total word count - document A			10102
Total word count - document B			0
Total word count - documents A + B			10102

...SPECIFICATION to group 1, group element 1, which varies as a function of position within the **document** may be **located** , e.g. "567 U.S. 100 (1987)". Note that the CR indicates the end of...

...sensitive string.
Continuing with the example of Fig. 3 and the first row, the next column is designated "Rule #1 Pointer ". This contains an offset at reference numeral 66 pointing to the location in the document in Fig. 2 where the form of the variable portion of the citation of group...

...with this Rule #1 since it is a first occurrence of the citation.
The next column "Rule #2 Pointer " points to an offset location corresponding to the document in Fig. 2 where the proper variable portion of the citation corresponding to a given...

19/3,K/5 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00586611
Host communication message manager for a label printing system with data collection capabilities
Kommunikationsmanager fur ein Ettikettendrucksystem mit Datensammelvorrichtung
Gestionnaire de messages de communication d'un systeme hote pour un systeme d'impression d'etiquettes ayant des capacites de collecte de donnees
PATENT ASSIGNEE:
MONARCH MARKING SYSTEMS, INC., (1629670), P.O. Box 608, Dayton, Ohio 45401, (US), (applicant designated states: DE;FR;GB)
INVENTOR:
Craig, Gina M., 2334 Mardell Drive, Dayton, Ohio 45459, (US)
Globig, James E., 447 Claxton Glen Ct., Kettering, Ohio 45429, (US)
Lamprecht, Dale E., Jr., 3265 Green Turtle Drive, Dayton, Ohio 45414, (US)
Markham, James G., 9361 Reston Court, Spring Valley, Ohio 45370, (US)
Morrison, Donald A., 4336 Linchmere Drive, Dayton, Ohio 45415, (US)
Schwabe, Richard E., 324 Virginia Avenue, Dayton, Ohio 45458, (US)
Tavener, Raymond D., 3101 Bromley Place, Apt. 22, Kettering, Ohio 45420, (US)
Watkins, Rex D., 7679 Kaye Drive, Franklin, Ohio 45005, (US)
LEGAL REPRESENTATIVE:
von Hellfeld, Axel, Dr. Dipl.-Phys. (53042), Wuesthoff & Wuesthoff Patent- und Rechtsanwalte Schweigerstrasse 2, 81541 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 578924 A1 940119 (Basic)
EP 578924 B1 990602
APPLICATION (CC, No, Date): EP 93105757 930407;
PRIORITY (CC, No, Date): US 880718 920508
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS (V7): G06K-017/00; G06K-001/12;
ABSTRACT WORD COUNT: 155

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9922	327
CLAIMS B	(German)	9922	279
CLAIMS B	(French)	9922	411
SPEC B	(English)	9922	18539
Total word count - document A			0
Total word count - document B			19556
Total word count - documents A + B			19556

...SPECIFICATION Name (vertical bar) Column Number) :

High Value : Mode (: Low Value)".

The first field in the **key** manipulator tag identifies the **column** to manipulate either by column name or column **offset** with the first field being one. The second field **identifies** the **data** value to be used as either a single limit for an operator comparison or the...

19/3,K/6 (Item 6 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00306425
Keyboard for a word typewriter.
Tastatur fuer Wortschreibmaschine.
Clavier pour machine a ecrire des mots.
PATENT ASSIGNEE:
H C S Technology N.V., (1369920), Bruistensingel 216, 's-Hertogenbosch, (NL), (applicant designated states: AT;BE;CH;DE;ES;FR;GB;GR;IT;LI;LU;NL;SE)
INVENTOR:
van Ardenne, Robertus A. M., Ing., Willem de Zwijgerlaan 35, 2252 VN Voorschoten, (NL)
LEGAL REPRESENTATIVE:
Keijser, Johannes Maurits L.F. et al (150414), EP&C Van Exter Polak & Charlouis B.V. P.O. Box 3241, NL-2280 GE Rijswijk, (NL)
PATENT (CC, No, Kind, Date): EP 297663 A1 890104 (Basic)
EP 297663 B1 910925
APPLICATION (CC, No, Date): EP 88201307 880623;
PRIORITY (CC, No, Date): NL 871535 870630
DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; GR; IT; LI; LU; NL; SE
INTERNATIONAL PATENT CLASS (V7): B41J-005/10;
ABSTRACT WORD COUNT: 182

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1163
CLAIMS B	(German)	EPBBF1	729
CLAIMS B	(French)	EPBBF1	940
SPEC B	(English)	EPBBF1	5925
Total word count - document A			0
Total word count - document B			8757
Total word count - documents A + B			8757

...SPECIFICATION both block 5 and block 6 contains all the consonants. In both blocks of consonants, **the** keys are situated horizontally adjacent to each other, as a result of which **rows** are produced. Most of the **keys** in said blocks are also situated vertically above each other, as a result of which...

...In addition, as a result of a suitable shape and height of the keys, two **keys** situated next to each **other** or two **keys** situated above each **other** can consequently **easily** be depressed (double **positions**). The **point** is that words **are** reproduced as much as possible by simultaneously depressing **keys** . These possibilities are appreaciably **increased** by the double positions mentioned. Triple positions are also possible, inter alia, because the bottom...

...The number of possibilities of double and triple positions and the ease of striking them **are** increased further in the block **4** for the vowels. Three **columns** can be **distinguished** in **this** vowel **block** 4. The **keys** in the centre **column** are **offset** by half a **key** height with respect to those in the left-hand and the right-hand column and...

19/3,K/7 **(Item 7 from file: 348)**
DIALOG(R)File 348:EUROPEAN PATENTS

00217372
Method and apparatus for addressing a memory
Verfahren und Vorrichtung zur Adressierung eines Speichers
Procede et appareil d'adressage d'une memoire
PATENT ASSIGNEE:
MICRON TECHNOLOGY, INC., (1177697), 8000 South Federal Way, Boise, ID 83707-6606, (US), (Proprietor designated states: all)
INVENTOR:
Deerfield, Alan J., 80 Catherine Street, Newport Rhode Island 02840, (US)
Siu, Sun-chi, 616 Boston Post Road, Marlboro Massachusetts 01752, (US)
LEGAL REPRESENTATIVE:
Jackson, David Spence et al (32231), REDDIE & GROSE 16, Theobalds Road, London, WC1X 8PL, (GB)
PATENT (CC, No, Kind, Date): EP 201174 A2 861112 (Basic)
EP 201174 A3 881214
EP 201174 B1 010516
APPLICATION (CC, No, Date): EP 86302054 860320;
PRIORITY (CC, No, Date): US 720330 850405
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS (V7): G06F-012/02
ABSTRACT WORD COUNT: 176

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	4314
CLAIMS B	(English)	200120	2536
CLAIMS B	(German)	200120	2397
CLAIMS B	(French)	200120	2849
SPEC A	(English)	EPABF1	9792
SPEC B	(English)	200120	10212
Total word count - document A			14107
Total word count - document B			17994
Total word count - documents A + B			32101

...SPECIFICATION the current instruction.
The address translator 114 essentially converts a row index and column index **identifying** a **location** of **data** to a linear address to identify the location of the element of data. The AT 114 supplies the row length 139 to the multiplier 118, which then multiplies the **row index** 137 **offset** by the **row** length 139 and supplies the result back to the AT 114. The AT 114 adds...

...SPECIFICATION the current instruction.
The address translator 114 essentially converts a row index and column index **identifying** a **location** of **data** to a linear address to identify the location of the element of data. The AT 114 supplies the row length 139 to the multiplier 118, which then multiplies the **row index** 137 **offset** by the **row** length

19/3,K/8 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00969501 **Image available**
METHOD FOR HANDLING OF DATA AND DATA STRUCTURE
PROCEDE DE MANIPULATION DE DONNEES ET STRUCTURE DE DONNEES
Patent Applicant/Assignee:
PROBATUS OY, Tammelankatu 24, FIN-33500 Tampere, FI, FI (Residence), FI (Nationality)., (For all designated states except: US)
Patent Applicant/Inventor:
PELTONEN Sari, Raatimiehenkatu 6 as 9, FIN-20750 Turku, FI, FI (Residence), FI (Nationality), (Designated only for: US)
TERVO Esa, Vehnakuja 7, FIN-21360 Lieto, FI, FI (Residence), FI (Nationality), (Designated only for: US)
Legal Representative:
SEPPO LAINE OY (agent), Itamerenkatu 3 B, FIN-00180 Helsinki, FI,
Patent and Priority Information (Country, Number, Date):
Patent: WO 2002103557 A1 20021227 (WO 02103557)
Application: WO 2002FI474 20020603 (PCT/WO FI0200474)
Priority Application: FI 20011160 20010601
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT (utility model) AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ (utility model) CZ DE (utility model) DE DK (utility model) DK DM DZ EC EE (utility model) EE ES FI (utility model) FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK (utility model) SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: Finnish
Fulltext Word Count: 7463

Fulltext Availability:
Detailed Description

Detailed Description
... 0 name blob does not contain the size of the blob.

In block 80, the **column pointer** (col ptr) is given the value s + lColOffset (the column definitition block **offset** from the beginning of the data block 15) + k*lColSize(the size of the column definition record in bytes).

1 5
In **block** 81 @ it is **checked** whether the column specific name index of column

19/3,K/9 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00844724 **Image available**

INDEXING INTERLEAVED MEDIA DATA
INDEXATION DE DONNEES MEDIA ENTRELACEES
Patent Applicant/Assignee:
AVID TECHNOLOGY INC, Avid Technology Park, One Park West, Tewksbury, MA 01876, US, US (Residence), US (Nationality)
Inventor(s):
CORNOG Katherine H, 26 Chestnut Street, Newburyport, MA 01950, US,
MORGAN Oliver, 24 Wachusett Drive, Lexington, MA 02421, US,
Legal Representative:
GORDON Peter J (agent), Avid Technology, Inc., One Park West, Tewksbury, MA 01876, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200178404 A2-A3 20011018 (WO 0178404)
Application: WO 2001US11278 20010406 (PCT/WO US0111278)
Priority Application: US 2000195849 20000407
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
CA JP
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
Publication Language: English
Filing Language: English
Fulltext Word Count: 8103

Fulltext Availability:
Detailed Description

Detailed Description
... connection with Fig. 2 uses a single index and an iterative accumulation of offsets to **locate** the sub- **stream** of interest. The method described in connection with Fig. 9 combines multiple **index columns** , a secondary translation from sub-stream to colunm number, a fixed **offset** for CBE sub-streams, and the use of offsets for all but the first **index column** .

Although the use of the methods described in connection with Figs. 1-8 may be...

19/3,K/10 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2006 WIPO/Thomson. All rts. reserv.

00483554 **Image available**
METHOD AND SYSTEM FOR FAST ROUTING LOOKUPS
PROCEDE ET SYSTEME DE RECHERCHE RAPIDE D'ACHEMINEMENT
Patent Applicant/Assignee:
EFFICIENT NETWORKING AB,
Inventor(s):
BRODNIK Andrej,
DEGERMARK Mikael,
CARLSSON Svante,
PINK Stephen,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9914906 A1 19990325
Application: WO 98SE854 19980511 (PCT/WO SE9800854)
Priority Application: SE 973332 19970915
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM
GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX
NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM
KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI
FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 8076

Fulltext Availability:
Claims

Claim
... a maptable,
storing in said storage means an array of code words,
each encoding a **row index** into the maptable and a pointer **offset** ,
storing in said storage means an array of base addresses,
accessing a **code** word at a **location** corresponding to a first index part (ix) of the IP address in the array of...

19/3,K/11 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2006 WIPO/Thomson. All rts. reserv.

00444842 **Image available**
FILE COMPARISON FOR DATA BACKUP AND FILE SYNCHRONIZATION
COMPARAISON DE FICHIERS DESTINEE A LA SAUVEGARDE DES DONNEES ET A LA SYNCHRONISATION DES FICHIERS
Patent Applicant/Assignee:
CONNECTED CORPORATION,
Inventor(s):
CANE David,
HIRSCHMAN David,
SPEARE Philip,
VAITZBLIT Lev,
MARSON Howard,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9835306 A1 19980813
Application: WO 98US2434 19980210 (PCT/WO US9802434)
Priority Application: US 9737597 19970211
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AU CA JP NO NZ AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 5595

Fulltext Availability:
Claims

Claim
... information for each selected revision element into an array with five columns: chunk, operation, data **offset** , **data** length, and **target offset** ;
creating an output array with five **columns** : revision element **pointer** , chunk, data **offset** , **data** length, and **target offset** ;
@ calling a recursive function for the most recent

revision, requesting data offset 0 and the...

...iterating through the array columns and comparing the
requested data offset and length with the **target** offset and
data length of each item, and in the case of a match, writing
an entry into...

19/3,K/12 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00376923
STRUCTURED FOCUSED HYPERTEXT DATA STRUCTURE
STRUCTURE DE DONNEES HYPERTEXTE ARTICULEE SUR LA STRUCTURATION
Patent Applicant/Assignee:
HYPERMED LTD,
OREN Avraham,
OLCHA Lev,
KOWALSKI Nahum,
MARGULYAN Rita,
Inventor(s):
OREN Avraham,
OLCHA Lev,
KOWALSKI Nahum,
MARGULYAN Rita,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9717666 A2 19970515
Application: WO 96IL131 19961023 (PCT/WO IL9600131)
Priority Application: US 95551929 19951023
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE
KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE
SG SI SK TJ TM TR TT UA UG US UZ VN KE LS MW SD SZ UG AM AZ BY KG KZ MD
RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG
CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 263802

Fulltext Availability:
Detailed Description

Detailed Description
... possible options
t.MoveNext end if
Counter = Counter + 1: DoEvents end if
Loop until have **checked** all the screens
I
t.Close
dp.Close SubchapterEditOptions.cmdVerifvDef
auitParents.Enabled = False
MsgBox "Verification...
...dp
I dbHypertext.OpenTable("Default
ReDim Links(O, 0) 'recover the Screen Parents")
memory dp. **Index** = "PrimaryKey"
End Sub Counter= I
Interval = t.RecordCount I 0
Sub VerifyDefaultScreenTable I

Dim t...

19/3,K/13 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00234265 **Image available**
SYSTEM FOR DIVIDING PROCESSING TASKS INTO SIGNAL PROCESSOR AND DECISION-MAKING MICROPROCESSOR INTERFACING
SYSTEME DE SEPARATION DES TACHES DE TRAITEMENT EN TACHES POUR INTERFACAGE AVEC UN PROCESSEUR DE SIGNAUX ET UN MICROPROCESSEUR DE PRISE DE DECISION
Patent Applicant/Assignee:
STAR SEMICONDUCTOR CORPORATION,
Inventor(s):
ROBINSON Jeffrey I,
ROUSE Keith,
KRASSOWSKI Andrew J,
MONTLICK Terry F,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9308524 A1 19930429
Application: WO 92US8954 19921014 (PCT/WO US9208954)
Priority Application: US 91776161 19911015
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AU CA JP KR AT BE CH DE DK ES FR GB GR IE IT LU MC NL SE
Publication Language: English
Fulltext Word Count: 219172

Fulltext Availability:
Claims

Claim
... bus via the address access block 489. Similarly, if it is desired to add some **offset** value and some loop value to the value in the base or frame register (i...

19/3,K/14 (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00195979
AN EXPANDED FOUCAULT KNIFE-EDGE TEST FOR QUANTITATIVELY TESTING AN OPTICAL IMAGING DEVICE
TEST DE FOUCAULT A COUTEAU A PORTEE ELARGIE PERMETTANT L'INSPECTION QUANTITATIVE DE DISPOSITIFS OPTIQUES DE FORMATION D'IMAGES
Patent Applicant/Assignee:
EASTMAN KODAK COMPANY,
Inventor(s):
HUMBEL William David,
VANDENBERG Donald Evan,
PITEK John George,
DEY Thomas William,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9113332 A1 19910905
Application: WO 91US1229 19910225 (PCT/WO US9101229)
Priority Application: US 90182 19900227

Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
DE KR
Publication Language: English
Fulltext Word Count: 7653

Fulltext Availability:
Detailed Description

Detailed Description

```
... row++) P'fill the
top with O's
print("Doing row %3d
n",,row);
position- offset pointer- offset (row,O,, 2,,
512);/* find offset in two byte file */
value
 offset = pointer - offset ( row ,0,1,1
512);/* find offset in one byte file */
fseek(lo
position,position-- offset ,SEEK-SET);
fseek(hi-position,position-offset,SEEK--SET);
fseek(lo-yalue,value-offset,SEEK...
```

26/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00871514
Creation and distribution of digital documents
Erzeugung und Verteilung digitaler Dokumente
Creation et distribution de documents numeriques
PATENT ASSIGNEE:
International Business Machines Corporation, (200123), Armonk, NY 10504, (US), (Proprietor designated states: all)
INVENTOR:
Auerbach, Joshua Seth , 129 Holmes Road, Ridgefield,Connecticut 06877, (US)
Chow, Chee-Seng, 19030 Meiggs Lane, Cupertino,California 95014, (US)
Kaplan, Marc Adam, 14 Holly Hill Lane, Katonah,New York 10536, (US)
Crigler, Jeffrey Charles, 8601 Dixie Place, McLean,Virginia, (US)
LEGAL REPRESENTATIVE:
Waldner, Philip (84391), IBM United Kingdom Limited, Intellectual Property Department, Hursley Park, Winchester,Hampshire SO21 2JN, (GB)
PATENT (CC, No, Kind, Date): EP 798892 A2 971001 (Basic)
EP 798892 A3 000426
EP 798892 B1 060712
APPLICATION (CC, No, Date): EP 97301307 970227;
PRIORITY (CC, No, Date): US 625475 960329
DESIGNATED STATES: DE; GB
INTERNATIONAL PATENT CLASS (V7): H04L-009/32; G07F-007/10
INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):
IPC + Level Value Position Status Version Action Source Office:
H04L-0009/32 A I F B 20060101 20051221 H EP
H04L-0009/08 A I L B 20060101 20051221 H EP
G07F-0007/10 A I L B 20060101 20051221 H EP
ABSTRACT WORD COUNT: 205
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199709W4	967
CLAIMS B	(English)	200628	639
CLAIMS B	(German)	200628	654
CLAIMS B	(French)	200628	744
SPEC A	(English)	199709W4	6402
SPEC B	(English)	200628	5964
Total word count - document A			7370
Total word count - document B			8001
Total word count - documents A + B			15371

INVENTOR:
Auerbach, Joshua Seth ...

...ABSTRACT where each of the parts to be protected are encrypted with a corresponding part encryption **key** . These encrypted information parts along with the other information parts become part of the envelope. Each part encryption **key** is also encrypted with a public **key** , and these encrypted part encryption **keys** are also included in the envelope. The envelope also includes a list of parts where...

...a secure hash of the named part. The list is then signed with a secret

key to generate a signature, which is also included in the envelope. The signature can be verified using a second public key associated with first secret key , and the integrity of any information part in the envelope can be checked by computing...

...content of any encrypted part can only be recovered by knowledge of a second secret key corresponding to the public key that was used to encrypt the part encryption keys .

...SPECIFICATION distinction between our work and Ref.2 is that in our disclosure the part encryption key is carried in the cryptographic envelope and is encrypted under a public key . Whereas in Ref.2 the distributed data only contains an identifier of the encryption key . The encryption key is stored at a server and is retrieved upon the presentation of the key identifier. Therefore with Ref.2 it is necessary to maintain a key database at the server necessitating a measure of trust between a buy server and a document server.

Pretty Good Privacy (PGP) is a public- key based system for sending secure e-mail. The body of the e-mail is encrypted using an IDEA algorithm (see, e.g., Ref.1), and the encryption key is encrypted using the public key of the intended recipient. Both the encrypted e-mail text and the encrypted encryption key are sent. The recipient uses his secret key to recover the encryption key , which is then used to recover the plain text.

There is described a method for...

...Additional processing of the parts are introduced to deter piracy. Furthermore, the use of public- key technology makes cryptographic envelope technique a convenient, secure, and self-contained means of distributing digital...

...user can have access to the content is to purchase the necessary PEKs (part encryption keys) that are typically orders of magnitudes more compact than the documents they decrypt.

Super distribution...

...distributed access control of digital documents.

This invention makes it unnecessary to maintain such a key database at the server and furthermore allows a cleaner separation of trusts between the Document Server (place where contents are encrypted) and the Buy Server (place where document encryption keys can be obtained).

According to one aspect of the of the invention there is provided...

...a part of said cryptographic envelope, said request comprising at least an encrypted part encryption key which is a public key encryption of a key used to encrypt said part;

b) transmitting a response, in response to said request, from said server to said user, said response being a transformation of said encrypted part encryption key , said transformation being generated by:

decrypting said encrypted part encryption key using a secret key associated with said public key , and

encrypting said part encryption key using a second public key ; and

decrypting said transformed key using said secret key into said part encryption key , wherein said selected part is decrypted into clear text using said part encryption key , thereby providing access to said user.

According to a second aspect of the invention there...

...parts, said method comprising:

a) encrypting one of said information parts with a part encryption key to produce an encrypted part, which is included in said envelope;

b) encrypting said part encryption **key** with a first public **key** to produce an encrypted part encryption **key** , which is included in said envelope;

c) creating a list of parts that are included...

...also being included in said envelope; and

d) signing said list with a first secret **key** to produce a signature, which is included in said envelope; wherein the integrity of said list can be checked using a second public **key** associated with said first secret **key** to verify said signature, and wherein the integrity of any one part of said envelope...

...encrypted part is protected from disclosure and can only be recovered with said part encryption **key** , and wherein said part encryption **key** can be recovered by decryption of said encrypted part encryption **key** using a second secret **key** corresponding to said first public **key** .

According to a third aspect of the invention there is provided a communications network having...

...which is an aggregation of information parts, said method comprising:

(i) associating a part encryption **key** for each of said parts to be protected, wherein one of said parts contains said...

...data;

(ii) encrypting each of said parts to be protected with its associated part encryption **key** ;

(iii) encrypting each said part encryption **key** with a public **key** to form an encrypted part encryption **key** for each of said part encryption **keys** ;

(iv) creating a list of parts, each entry in said list containing a part name...

...a secure hash for said one part; and

(v) signing said list with a secret **key** to produce a signature,wherein said cryptographic envelope is the aggregation of:

said signature, said list, said encrypted part encryption **keys** , said encrypted parts, and those of said information parts which have not been encrypted; and...

...part contains said selected content data, said request comprising at least an encrypted part encryption **key** which is a public **key** encryption of an encryption **key** used to encrypt latter said part;

(ii) transmitting a response, in response to said request...

...said server to said user, said response comprising a transformation of said encrypted part encryption **key** in said request, said transformation being generated by:

decrypting said encrypted part encryption **key** in said request using a secret **key** associated with said public **key** of step b (1), encrypting said part encryption **key** in said request using a second public **key** ; and decrypting said transformed **key** using said secret **key** associated with said second public **key** into said part encryption **key** in said request, wherein said selected part is decrypted into clear text using said part encryption **key** in said request, thereby providing access to said user.

Accordingly, a method of creating a...

...With this invention, each of the information parts is encrypted with a corresponding part encryption **key** to generate an encrypted information

b) transmitting a response, in response to said request, from...

...102) to said client (101), said response being a transformation of said encrypted part encryption **key** (202), said transformation being characterised by:decrypting said encrypted part encryption **key** (202) using a secret **key** associated with said public **key** , and

encrypting, in the server (102), said part encryption **key** using a second public **key** ; and

decrypting, in the client (101), said transformed **key** using a second secret **key** associated with said second public **key** into said part encryption **key** , wherein said selected part is decrypted into clear text using said part encryption **key** , thereby providing access to said client (101).

2. A method of creating a cryptographic envelope...

...said method comprising:a) encrypting one of said information parts (203) with a part encryption **key** to produce an encrypted part, which is included in said envelope;

b) encrypting said part encryption **key** with a first public **key** to produce an encrypted part encryption **key** (202), which is included in said envelope, said first public **key** having a first secret **key** ,

c) creating a list of parts (209) that are included in said envelope (200), each...

...said envelope (200); and characterised by

d) signing said list (209) with a second secret **key** to produce a signature (209) which is included in said envelope (200);

wherein the integrity of said list (209) can be checked using a second public **key** associated with said second secret **key** to verify said signature, and wherein the integrity of any one part of said envelope...

...encrypted part is protected from disclosure and can only be recovered with said part encryption **key** , and wherein said part encryption **key** can be recovered by decryption of said encrypted part encryption **key** using the first secret **key** corresponding to said first public **key** .

3. A method as recited in claim 2, further comprising the step of modifying selected...

...encryption of said part, wherein said state information is encrypted using a third part encryption **key** (211) which is encrypted with a third public **key** .

5. A method as recited in claims 2, 3 or 4, wherein said cryptographic envelope...

26/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00576199
Multicast communication tree creation and control method and apparatus

Verfahren und Vorrichtung zur Bildung und Steuerung eines Mehrempfangerubertragungsbaums

Methode et appareil pour la creation et le controle d'un arbre de communication multidestinataire

PATENT ASSIGNEE:
International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (Proprietor designated states: all)
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LEGAL REPRESENTATIVE:
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PATENT (CC, No, Kind, Date): EP 575281 A2 931222 (Basic)
EP 575281 A3 960214
EP 575281 B1 991117
APPLICATION (CC, No, Date): EP 93480060 930519;
PRIORITY (CC, No, Date): US 900628 920618
DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; IT; LI; NL; SE
INTERNATIONAL PATENT CLASS (V7): H04L-012/18
ABSTRACT WORD COUNT: 304
NOTE:
Figure number on first page: 4

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9946	1088
CLAIMS B	(German)	9946	1120
CLAIMS B	(French)	9946	1326
SPEC B	(English)	9946	9386
Total word count - document A			0
Total word count - document B			12920
Total word count - documents A + B			12920

INVENTOR:
Auerbach, Joshua Seth ...

...SPECIFICATION control of a set of distinct paths within the network comprising that tree, is a **key** aspect of the present invention. Separating set management from tree creation and management leads to...

...tree over all the links and nodes which it encompasses; and a tree address correlator **index** number, which uniquely identifies the tree within the network itself, as will be described in...random number generated in a random number generator. It must generate a tree address correlator **index** , which is an n-byte field, including the Tree Leader's node ID, the node...

...they are not described in greater detail at this point.
The tree address correlator or **index** number is unique to the invention, and in the preferred embodiment includes the network ID...

...the node ID itself and a 4-byte counter value. Overall, the tree address correlator **index** identifies the tree within the network. The counter

value is incremented whenever a new tree address correlator **index** is needed. When a Tree Leader fails, it is not necessary for the Tree Leader ...

...node, and inform their transmission users that the tree no longer exists.

With the correlator **index** , it is possible that the same tree address may be used for more than one...procedure is repeated beginning with a new tree address, but using the same address correlator **index** . It will not be necessary to compute a new tree path, because of the replies...

...the tree create procedure using the new selected tree address and a new address correlator **index** . A new correlator **index** is required because links that were marked on the previous attempt will age out, and...is necessary. The fields of information are the tree address and the tree address correlator **index** . Each time a Set Manager receives a tree refresh message, it reset its tree refresh...

...1) a set change notification message identifying the tree affected via the tree address correlator **index** ; 2) the node ID and subnode ID that did not receive the refresh message; 3...

...function sends the tree delete message, including the tree address and the tree address correlator **index** , and by sending the ANR from itself to the first subnode of the branch of...block 56 is entered first. In block 56, the Tree Leader generates a tree correlator **index** based on the Tree Leader's location in the network by concatenating the network ID ...

...CLAIMS address;

* second means receiving said Distribution tree address for generating a Distribution tree address correlation **index** and means for combining said **index** with said Distribution tree address to uniquely identify said Distribution tree at all other said...

...tree creation request message including the Distribution tree address and the Distribution tree address correlation **index** ;

* fourth means at all other of said nodes for receiving Distribution tree creation request messages...

...address.

4. The network according to anyone of the preceding claims, wherein:

* said address correlation **index** comprises the node identification of said node at which said Tree Leader resides and an...

...and

* second means receiving said Distribution tree address for generating a Distribution tree address correlation **index** and means for combining said **index** with said Distribution tree address to uniquely identify said Distribution tree at all of said...

...tree creation request message including the Distribution tree address and the Distribution tree address correlation **index** ;

* fourth means at all others of said nodes for receiving said Distribution tree creation request...

...a Distribution tree address;

* at the first node, generating a Distribution t.ree address correlation **index** and combining said **index** with said Distribution tree address to uniquely identify said Distribution tree for said defined subset...

...CLAIMS genannte Verteilungsbaumadresse empfangt und daraus einen

Verteilungsbaumadressen-Korrelationsindex sowie ein Mittel zur Kombination des genannten **Index** mit der genannten Verteilungsbaumadresse erstellt, um den genannten Verteilungsbaum an allen anderen genannten Knoten mit...

...genannte Verteilungsbaumadresse empfangt und daraus einen Verteilungsbaumadressen-Korrelationsindex sowie ein Mittel zur Kombination des genannten **Index** mit der genannten
* Verteilungsbaumadresse erstellt, um den genannten Verteilungsbaum an allen anderen genannten Knoten, die...

...genannten Baumfuhrer;
* am ersten Knoten die Erzeugung eines Verteilungsbaumadressen-Korrelationsindex und die Kombination des genannten **Index** mit der genannten Verteilungsbaumadresse, um den genannten Verteilungsbaum fur die genannte definierte im genannten Netzwerk...

...CLAIMS distribution,
* un second moyen recevant ladite adresse d'arborescence de distribution afin de generer un **index** de correlation d'adresse d'arborescence de distribution et un moyen destine a combiner ledit **index** avec ladite adresse d'arborescence de distribution de maniere a identifier de facon unique ladite...

...de creation d'arborescence de distribution comprenant l'adresse d'arborescence de distribution et l' **index** de correlation d'adresse d'arborescence de distribution,
* un quatrieme moyen au niveau de tous...

...arborescence de distribution.
4. Reseau selon l'une quelconque des revendications precedentes, dans lequel :
* ledit **index** de correlation d'adresse comprend l'identification de noeud dudit noeud au niveau duquel reside...

...et
* un second moyen recevant ladite adresse d'arborescence de distribution afin de generer un **index** de correlation d'adresse d'arborescence de distribution et un moyen destine a combiner ledit **index** avec ladite adresse d'arborescence de distribution afin d'identifier de facon unique ladite arborescence...

...de creation d'arborescence de distribution comprenant l'adresse d'arborescence de distribution et l' **index** de correlation d'adresse d'arborescence de distribution,
* un quatrieme moyen au niveau de tous...d'arborescence, une adresse d'arborescence de distribution,
* au niveau du premier noeud, generer un **index** de correlation d'adresse d'arborescence de distribution et combiner ledit **index** a ladite adresse d'arborescence de distribution afin d'identifier de facon unique ladite arborescence...

26/3,K/3 (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00576196
Distributed management communications network
Kommunikationsnetz mit verteilter Verwaltung

Reseau de communications de gestion distribuee

PATENT ASSIGNEE:
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INVENTOR:
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Gopal, Prabandham Madan, 1043 Black Oak Ridge Road, Wayne, NJ 07470, (US)
Hervatic, Elizabeth Anne, 4908 Matlock Street, Apex, NC 27502, (US)
Kaplan, Marc Adam, RFD 5 Holly Hill Lane, Katonah, NY 10536, (US)
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PATENT (CC, No, Kind, Date): EP 575279 A2 931222 (Basic)
EP 575279 A3 940817
EP 575279 B1 030723
APPLICATION (CC, No, Date): EP 93480056 930505;
PRIORITY (CC, No, Date): US 900647 920618
DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; IT; LI; NL; SE
INTERNATIONAL PATENT CLASS (V7): H04L-012/24; H04L-012/18; H04L-012/56
ABSTRACT WORD COUNT: 219
NOTE:
Figure number on first page: 2A

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	514
CLAIMS B	(English)	200330	514
CLAIMS B	(German)	200330	433
CLAIMS B	(French)	200330	624
SPEC A	(English)	EPABF1	9441
SPEC B	(English)	200330	9355
Total word count - document A			9956
Total word count - document B			10926
Total word count - documents A + B			20882

INVENTOR:
Auerbach, Joshua Seth ...

...SPECIFICATION an indication if any specific authorization will be required such as an encryption or decryption **key** used in communicating with members of the set. The TU may also leave or "resign...Figure 2B illustrates the set management protocol or message flows in an open set. The **key** in Figure 2B illustrates both the direction of message flow and whether or not connectivity...individual nodes with the managed set of responsibilities described above. The Set Manager is the **key** element in this system and it resides in each of the nodes as already described...

...SPECIFICATION an indication if any specific authorization will be required such as an encryption or decryption **key** used in communicating with members of the set. The TU may also leave or "resign...Figure 2B illustrates the set management protocol or message flows in an open set. The **key** in Figure 2B illustrates both the direction of message flow and whether or not connectivity...individual nodes with the managed set of responsibilities described above. The Set Manager is the **key** element in this system and it resides in each of the nodes as already described...

26/3,K/4 (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00551331
Compensation for mismatched transport protocols in a data communications network
Kompensation von nicht richtig angepassten Transportprotokollen in einem Datenkommunikationsnetzwerk
Compensation de protocoles de transport non assortis dans un reseau de communication de donnees
PATENT ASSIGNEE:
International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (Proprietor designated states: all)
INVENTOR:
Bird, Raymond Frederick, Rt.5, Box 638, Durham, NC 27704, (US)
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PATENT (CC, No, Kind, Date): EP 524123 A2 930120 (Basic)
EP 524123 A3 931006
EP 524123 B1 991027
APPLICATION (CC, No, Date): EP 92480085 920622;
PRIORITY (CC, No, Date): US 731564 910717
DESIGNATED STATES: DE; FR; GB; IT
INTERNATIONAL PATENT CLASS (V7): G06F-015/16
ABSTRACT WORD COUNT: 140
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9943	295
CLAIMS B	(German)	9943	289
CLAIMS B	(French)	9943	348
SPEC B	(English)	9943	7145
Total word count - document A			0
Total word count - document B			8077
Total word count - documents A + B			8077

INVENTOR:
... CH)
Auerbach, Joshua Seth ...

...SPECIFICATION correlation is provided by an operation 244 which generates a special header containing a current **pointer** to the normal data stream.
If an operation 246 indicates that it may be necessary...

26/3,K/5 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00534414
Process for the preparation of 4-substituted-1,4-dihydropyridines
Verfahren zur Herstellung von an 4-Position substituierten 1,4-Dihydropyridinen
Procede pour la preparation des 1,4-dihydro-pyridines 4-substituees
PATENT ASSIGNEE:
Merck & Co., Inc., (200479), 126, East Lincoln Avenue P.O. Box 2000, Rahway New Jersey 07065-0900, (US), (applicant designated states: AT;BE;CH;DE;DK;ES;FR;GB;GR;IE;IT;LI;LU;NL;PT;SE)
INVENTOR:
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LEGAL REPRESENTATIVE:
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PATENT (CC, No, Kind, Date): EP 534520 A2 930331 (Basic)
EP 534520 A3 930505
EP 534520 B1 970319
APPLICATION (CC, No, Date): EP 92202690 920905;
PRIORITY (CC, No, Date): US 759026 910913; US 920701 920728
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; NL; PT; SE
INTERNATIONAL PATENT CLASS (V7): C07D-211/90; C07D-401/04; C07D-405/04; C07D-413/04;
ABSTRACT WORD COUNT: 61

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	1276
SPEC A	(English)	EPABF1	4938
Total word count - document A			6214
Total word count - document B			0
Total word count - documents A + B			6214

INVENTOR:
Auerbach, Joseph ...

...SPECIFICATION BACKGROUND OF THE INVENTION
Felodipine, the compound of Formula Ib, is a known vasodilator (Merck **Index** 11,3895 and references cited therein). Other phenyl-1,4-dihydro-pyridine compounds have also...

26/3,K/6 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

01023521

MESSAGE FILTERING
FILTRAGE DE MESSAGES
Patent Applicant/Assignee:
INTERNATIONAL BUSINESS MACHINES CORPORATION, New Orchard Road, Armonk, NY 10504, US, US (Residence), US (Nationality)
IBM UNITED KINGDOM LIMITED, PO Box 41, North Harbour, Portsmouth, Hampshire PO6 3AU, GB, GB (Residence), GB (Nationality), (Designated only for: MG)
Inventor(s):
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YOUNG Neil George, 41 Blenheim Avenue, Highfield, Southampton, Hampshire SO17 1DW, GB,
Legal Representative:
LING Christopher John (agent), IBM United Kingdom Limited, Intellectual Property Law, Hursley Park, Winchester, Hampshire SO21 2JN, GB,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200352650 A2 20030626 (WO 0352650)
Application: WO 2002GB4974 20021104 (PCT/WO GB0204974)
Priority Application: US 200117728 20011214
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 4441

Inventor(s):
AUERBACH Joshua ...
Fulltext Availability:
Detailed Description

Detailed Description
... which subscribers 60; 65; 70 the message should be sent.

Message topics typically provide the **key** to the delivery of messages between publishers and subscribers. The broker attempts to match a...

26/3,K/7 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00231828
PROCESS FOR THE PREPARATION OF 4-SUBSTITUTED-1,4-DIHYDROPYRIDINES
PROCEDE DE PREPARATION DE 1,4-DIHYROPYRIDINES-4-SUBSTITUES
Patent Applicant/Assignee:
MERCK & CO INC,
Inventor(s):
AUERBACH Joseph ,
Patent and Priority Information (Country, Number, Date):

Patent: WO 9306082 A1 19930401
Application: WO 92US7220 19920826 (PCT/WO US9207220)
Priority Application: US 9126 19910913; US 92701 19920728
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
BG CS FI HU NO PL RO RU
Publication Language: English
Fulltext Word Count: 6533

Inventor(s):
AUERBACH Joseph ...

Fulltext Availability:
Detailed Description

Detailed Description
... BACKGROUND OF THE INVIENTION
Felodipine, the compound of Formula Ib, is a known vasodilator (Merck **Index** 11,3895 and references cited therein), Other phenyl 4-dihydro- pyridine compounds have also been...

```
File   8:Ei Compendex(R) 1970-2006/Dec W1
         (c) 2006 Elsevier Eng.  Info. Inc.
File  35:Dissertation Abs Online 1861-2006/Nov
         (c) 2006 ProQuest Info&Learning
File  65:Inside Conferences 1993-2006/Dec 15
         (c) 2006 BLDSC all rts. reserv.
File   2:INSPEC 1898-2006/Dec W1
         (c) 2006 Institution of Electrical Engineers
File  94:JICST-EPlus 1985-2006/Aug W4
         (c)2006 Japan Science and Tech Corp(JST)
File   6:NTIS 1964-2006/Dec W1
         (c) 2006 NTIS, Intl Cpyrght All Rights Res
File 144:Pascal 1973-2006/Nov W3
         (c) 2006 INIST/CNRS
File  34:SciSearch(R) Cited Ref Sci 1990-2006/Dec W2
         (c) 2006 The Thomson Corp
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
         (c) 2006 The Thomson Corp
File  99:Wilson Appl. Sci & Tech Abs 1983-2006/Nov
         (c) 2006 The HW Wilson Co.
File 266:FEDRIP 2006/Aug
         Comp & dist by NTIS, Intl Copyright All Rights Res
File  95:TEME-Technology & Management 1989-2006/Dec W2
         (c) 2006 FIZ TECHNIK
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
         (c) 2002 The Gale Group
File 256:TecInfoSource 82-2006/Jul
         (c) 2006 Info.Sources Inc
File  56:Computer and Information Systems Abstracts 1966-2006/Dec
         (c) 2006 CSA.
File  60:ANTE: Abstracts in New Tech & Engineer 1966-2006/Dec
         (c) 2006 CSA.

Set     Items   Description
S1     864188   ROW OR ROWS OR COLUMN? ?
S2    2435720   POINTER OR INDEX? OR KEY? ?
S3     144135   OFFSET OR OFF()SET
S4   13746875   FIND? OR RETRIEV? OR SEARCH??? OR INQUIR??? OR LOOK??? OR -
              TARGET??? OR LOCAT??? OR  TRACK??? OR IDENTIFY??? OR IDENTIFI-
              E? ? OR IDENTIFICATION OR SPOT? ? OR SPOTT??? OR CHECK??? OR -
              DETECT??? OR RECOGNI? OR DISTINGUISH???
S5    1199983   S4(3N)(INFORMATION OR INFO OR DATA OR DOCUMENT? OR BYTE? OR
               BIT? ? OR BLOCK? OR CODE? OR PATTERN? OR PAGE? OR WEBPAGE OR
              WEB()PAGE? OR STRING? OR SEQUENCE? OR STREAM OR FILE? OR CONT-
              ENT?)
S6       6971   SERIALI? OR BYTE()STREAM? OR BYTESTREAM?
S7          4   S1(5N)S2(5N)S3
S8          3   RD  (unique items)
S9        105   S1 AND S2 AND S3
S10         9   S9 AND (S5 OR S6)
S11         2   RD  (unique items)
S12         2   S11 NOT S8
S13      5813   S2 AND S3
S14       256   S13 AND (S5 OR S6)
S15         0   S13 AND S5 AND S6
S16        18   S1(15N)S2(15N)S3
S17        11   RD  (unique items)
S18         3   S17 AND PY=2003:2006
S19         5   S17 NOT (S18 OR S12 OR S8)
S20       516   AU=(AUERBACH, J? OR AUERBACH J?)
S21         0   S20 AND S3
```

S22 31 S20 AND S2

8/5/1 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

09192497 E.I. No: EIP02457189721
Title: The calibration of the MOPITT instrument
Author: Zou, Jiansheng; Nichitiu, Florian; Drummond, James R.
Corporate Source: Department of Physics University of Toronto, Toronto, Ont. M5S 1A7, Canada
Conference Title: 2002 IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2002)
Conference Location: Toronto, Ont., Canada Conference Date: 20020624-20020628
Sponsor: IEEE, Inc.; IEEE Geoscience and Remote Sensing Society; Canadian Remote Sensing Society; University of Waterloo; Natural Resources Canada (NRCan)
E.I. Conference No.: 60125
Source: International Geoscience and Remote Sensing Symposium (IGARSS) v 2 2002. p 1091-1093 (IEEE cat n 02CH37380)
Publication Year: 2002
CODEN: IGRSE3
Language: English
Document Type: CA; (Conference Article) Treatment: T; (Theoretical)
Journal Announcement: 0211W3
Abstract: The MOPITT (Measurements Of Pollution In The Troposphere) instrument aboard the Terra Spacecraft was launched on Dec. 18, 1999 and has operated successfully since then. Instrument radiances are calculated from a total of 8 channels, which are combined in a retrieval scheme to measure the carbon monoxide (CO) profile and methane (CH//4) **column** in the troposphere. The instrument gain and **offset** , which are the **key** parameters to utilize the instrument measurements and to evaluate performance, are determined through an in-flight 2-point calibration scheme. Fluctuations and trends in the gain and offset on various time scales can be understood in terms of the instrument design, its performance, and the thermal environment. Some techniques for optimizing the noise levels as well as alternative methods of data processing, such as are required to cope with instrument anomalies, will be discussed. 4 Refs.
Descriptors: *Air pollution control equipment; Calibration; Numerical methods; Carbon monoxide; Methane; Optimization; Troposphere
Identifiers: Measurement of pollution in the troposphere; Terra spacecraft
Classification Codes:
451.2 (Air Pollution Control); 902.2 (Codes & Standards); 921.6 (Numerical Methods); 804.2 (Inorganic Compounds); 804.1 (Organic Compounds); 921.5 (Optimization Techniques)
451 (Air Pollution); 902 (Engineering Graphics; Engineering Standards; Patents); 921 (Applied Mathematics); 804 (Chemical Products Generally)
45 (POLLUTION, SANITARY ENGINEERING & WASTES); 90 (ENGINEERING, GENERAL); 92 (ENGINEERING MATHEMATICS); 80 (CHEMICAL ENGINEERING, GENERAL)

8/5/2 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

08509564 INSPEC Abstract Number: A2003-04-9385-181, B2003-02-7710B-096
Title: The calibration of the MOPITT instrument
Author(s): Jiansheng Zou; Nichitiu, F.; Drummond, J.R.
Author Affiliation: Dept. of Phys., Toronto Univ., Ont., Canada

Conference Title: 2002 IEEE International Geoscience and Remote Sensing Symposium. 24th Canadian Symposium on Remote Sensing. Proceedings (Cat. No.02CH37380) Part vol.2 p.1091-3 vol.2

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 2002 Country of Publication: USA 6 vol.xcvi+3694 pp.

ISBN: 0 7803 7536 X Material Identity Number: XX-2002-02713

U.S. Copyright Clearance Center Code: 0-7803-7536-X/02/$17.00

Conference Title: Proceedings of IEEE International Geoscience and Remote Sensing Symposium. IGARSS 2002

Conference Sponsor: IEEE; IEEE Geosci. & Remote Sensing Soc.; Canadian Remote Sensing Soc.; Univ. Waterloo; Natural Resources Canada (NRCan); Canadian Space Agency (CSA); Environ. Canada; NASA; Nat. Oceanic & Atmos. Adm. (NOAA); Office of Naval Res.(ONR); Nat. Space Dev. Agency of Japan (NASDA); Nat. Polar-orbiting Environ. Satellite Syst. (NPOESS)

Conference Date: 24-28 June 2002 Conference Location: Toronto, Ont., Canada

Language: English Document Type: Conference Paper (PA)

Treatment: New Developments (N); Practical (P)

Abstract: The MOPITT (Measurements Of Pollution In The Troposphere) instrument aboard the Terra Spacecraft was launched on Dec. 18, 1999 and has operated successfully since then. Instrument radiances are calculated from a total of 8 channels, which are combined in a retrieval scheme to measure the carbon monoxide (CO) profile and methane (CH/sub 4/) column in the troposphere. The instrument gain and offset , which are the key parameters to utilize the instrument measurements and to evaluate performance, are determined through an in-flight 2-point calibration scheme. Fluctuations and trends in the gain and offset on various time scales can be understood in terms of the instrument design, its performance, and the thermal environment. Some techniques for optimizing the noise levels as well as alternative methods of data processing, such as are required to cope with instrument anomalies, will be discussed. (4 Refs)

Subfile: A B

Descriptors: air pollution measurement; atmospheric composition; atmospheric techniques; calibration; carbon compounds; organic compounds; remote sensing; troposphere

Identifiers: atmosphere; air pollution; chemical composition; measurement technique; satellite remote sensing; calibration; MOPITT; infrared; methane ; IR; instrument; data processing; noise; design; performance; CO

Class Codes: A9385 (Instrumentation and techniques for geophysical, hydrospheric and lower atmosphere research); A8670L (Measurement techniques and instrumentation in environmental science); A8670G (Atmosphere (environmental science)); A9260T (Air quality and air pollution); A9260H (Chemical composition and chemical interactions in the lower atmosphere); B7710B (Atmospheric, ionospheric and magnetospheric techniques and equipment); B7720 (Pollution detection and control)

Chemical Indexing:

CO bin - C bin - O bin (Elements - 2)

8/5/3 (Item 1 from file: 144)

DIALOG(R)File 144:Pascal

13419840 PASCAL No.: 98-0113287

Perceptual learning in tactile hyperacuity: complete intermanual transfer but limited retention

SATHIAN K; ZANGALADZE A

Department of Neurology, Emory University School of Medicine, WMRB-6000,

P.O. Drawer V, 1639 Pierce Drive, Atlanta, GA 30322, United States
Journal: Experimental brain research, 1998, 118 (1) 131-134
ISSN: 0014-4819 CODEN: EXBRAP Availability: INIST-12535;
354000077841930150
No. of Refs.: 24 ref.
Document Type: P (Serial) ; A (Analytic)
Country of Publication: Germany
Language: English

We investigated intermanual transfer and long-term retention of practice-related perceptual learning in the domain of tactile hyperacuity. Subjects discriminated a **row** of three dots in which the central dot was **offset** laterally from a **row** without such **offset** . Performance at the right **index** fingerpad improved with practice. Practice effects transferred essentially completely to the left index fingerpad. When tested some months later at the right index fingerpad, long-term retention of learning was limited and further practice was required to stabilize discrimination thresholds. Intermanual transfer of tactile learning appears to be a general phenomenon, while long-term retention appears to be limited in hyperacuity tasks.

English Descriptors: Manual task; Finger; Sensorial perception; Tactile sensitivity; Mechanical stimulus; Texture; Hyperacuity; Transfer; Hand; Learning; Human

French Descriptors: Tache manuelle; Doigt; Perception sensorielle; Sensibilite tactile; Stimulus mecanique; Texture; Hyperacuite; Transfert; Main; Apprentissage; Homme

Classification Codes: 002A25F

12/3,K/1 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

10258942 E.I. No: EIP05068832374
Title: Real-time monitoring and control of water influx to a horizontal well using advanced completion equipped with permanent sensors
Author: Bryant, Ian D.; Chen, Mini-Yi; Raghuraman, Bhavani; Schoeder, Robert; Supp, Michael; Navarro, Jose; Raw, Ian; Smith, Jason; Scaggs, Michael
Corporate Source: Schlumberger Stimulation/Conformance, Cambridge, MA, United States
Source: SPE Drilling and Completion v 19 n 4 December 2004. p 253-264
Publication Year: 2004
ISSN: 1064-6671
Language: English

...Abstract: communication between zones and the productivity index (PI) of each zone. The resistivity data enabled **detection** of water-saturation changes both in the formation and in the wellbore. The completion technology...

12/3,K/2 (Item 2 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

09878288 E.I. No: EIP04228187344
Title: A guidance directrix approach to vision-based vehicle guidance systems
Author: Han, S.; Zhang, Q.; Ni, B.; Reid, J.F.
Corporate Source: John Deere Ag Management Solutions, Urbandale, IA 50322, United States
Source: Computers and Electronics in Agriculture v 43 n 3 June 2004. p 179-195
Publication Year: 2004
CODEN: CEAGE6 ISSN: 0168-1699
Language: English

Abstract: In a vision-based automatic agricultural vehicle guidance system for **row** -crop applications, **finding** guidance **information** from crop **row** structure is the **key** in achieving accurate control of the vehicle. This paper describes a robust procedure to obtain a guidance directrix. The procedure includes **row** segmentation by K-means clustering algorithm, **row** detection by a moment algorithm, and guidance line selection by a cost function. Auxiliary information, such as the known crop **row** spacing, is used to aid in the development of the guidance directrix. Two image data...
...were used to evaluate the accuracy of the proposed image processing procedure. The average RMS **offset** error from 30 soybean images was 1.0 cm with an average cost of 4.99. In contrast, the average RMS **offset** error from 15 corn images was 2.4 cm with an average cost of 7...
?

19/5/1 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

08016198 E.I. No: EIP98054211948
Title: Improving stand establishment in no-till with residue-clearing planter attachments
Author: Kaspar, T.C.; Erbach, D.C.
Corporate Source: USDA-ARS, Ames, IA, USA
Source: Transactions of the ASAE v 41 n 2 Mar-Apr 1998. p 301-306
Publication Year: 1998
CODEN: TAAEAJ ISSN: 0001-2351
Language: English
Document Type: JA; (Journal Article) Treatment: X; (Experimental)
Journal Announcement: 9807W3
Abstract: Surface plant residues increase the risk of poor stand establishment for corn (Zea mays. L.) and soybean left bracket Glycine max (L.) Merr. right bracket in no-till. This may result in reduced crop yield and may limit adoption of no-till by farmers. A three-year field study in an established no-till system with three rotation sequences was conducted to compare the effect of three planter attachments on surface and subsurface residue, and on stand establishment, emergence rate, and yield of corn and soybean. The study was conducted near Ames, Iowa, on dark-colored soils with corn-following-corn, corn-following-soybean, and soybean-following-corn rotation sequences. Both corn and soybean were planted with three different attachment placed in front of the planter double-disc openers: an offset-bubble coulter, a staggered-discs row cleaner, and a powered horizontal-disc row cleaner. The continuous-corn rotation increased subsurface residue only in 1992 and had no effect on surface residue. The continuous-corn rotation, however, did reduce final emerged population, emergence rate, and corn grain yield in some years. In general, there were no significant interactions between rotation sequence and planter attachments. Both **row** cleaner planter attachments reduced the amount of surface and subsurface residue in the seed **row** compared with the **offset** -bubble coulter attachment. **Row** cleaner planter attachments also increased final populations of corn in 1990 and soybean in 1991, increased emergence rate **indexes** of soybean in 1991 and of corn in all three years, and had no effects on grain yield. The two row cleaner attachments, however, had fewer barren corn plants in two years. Because row cleaner planter attachments reduce the risk of poor stand establishment in no till, they should improve corn and soybean yield potential and stability in years when stand establishment limits yields. (Author abstract) 27 Refs.
Descriptors: *Agriculture; Agricultural machinery; Seed; Crops; Agricultural wastes; Soils; Surfaces
Identifiers: Corn; Soybean; Planter attachment; Stand establishment; Planting
Classification Codes:
821.1 (Agricultural Machinery & Equipment); 821.4 (Agricultural Products); 821.5 (Agricultural Wastes); 483.1 (Soils & Soil Mechanics); 801.4 (Physical Chemistry)
821 (Agricultural Equipment & Methods); 483 (Soil Mechanics & Foundations); 801 (Chemical Analysis & Physical Chemistry)
82 (AGRICULTURE & FOOD TECHNOLOGY); 48 (ENGINEERING GEOLOGY); 80 (CHEMICAL ENGINEERING)

19/5/2 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

01051878 INSPEC Abstract Number: C69007601
Title: Control mechanism
Inventor(s): Lenz, C.
Patent Number: US 3424878 Issue Date: 690128
Application Date: 651026
Priority Appl. Number: US 513612
Country of Publication: USA
Language: English Document Type: Patent (PT)
Abstract: A control mechanism for automatically operating brewery equipment has a control rod rotatable on a support about a fixed axis and a carrier slidable on the support toward and away from the rod. Switches and hydraulic pressure transmitters on the carrier generate control signals for the brewery equipment when engaged by abutment studs mounted on the rod in angularly **offset rows** . The carrier is reciprocated on the support by a motor controlled by limit switches in the path of the carrier, and the control rod is **indexed** by a ratchet mechanism including a pawl mounted on the carrier.
Subfile: C
Descriptors: controllers; food processing industry
Class Codes: C3220 (Controllers); C3350P (Food processing industries)

19/5/3 (Item 1 from file: 6)
DIALOG(R)File 6:NTIS

1875675 NTIS Accession Number: N95-23624/6
Optimization of a Centrifugal Impeller Design Through CFD Analysis
Chen, W. C. ; Eastland, A. H. ; Chan, D. C. ; Garcia, R.
National Aeronautics and Space Administration, Huntsville, AL. George C. Marshall Space Flight Center.
Corp. Source Codes: 019043002; ND736801
Jul 93 31p
Languages: English
Journal Announcement: GRAI9514; STAR3307
In Its Eleventh Workshop for Computational Fluid Dynamic Applications in Rocket Propulsion, Part 1 p 219-249.
NTIS Prices: (Order as N95-23615/4, PC A99/MF E08)
Country of Publication: United States
This paper discusses the procedure, approach and Rocketdyne CFD results for the optimization of the NASA consortium impeller design. Two different approaches have been investigated. The first one is to use a tandem blade arrangement, the main impeller blade is split into two separate **rows** with the second blade **row offset** circumferentially with respect to the first **row** . The second approach is to control the high losses related to secondary flows within the impeller passage. Many **key** parameters have been identified and each consortium team member involved will optimize a specific parameter using 3-D CFD analysis. Rocketdyne has provided a series of CFD grids for the consortium team members. SECA will complete the tandem blade study, SRA will study the effect of the splitter blade solidity change, NASA LeRC will evaluate the effect of circumferential position of the splitter blade, VPI will work on the hub to shroud blade loading distribution, NASA Ames will examine the impeller discharge leakage flow impacts and Rocketdyne will continue to work on the meridional contour and the blade leading to trailing edge work distribution. This paper will also present Rocketdyne results from the tandem blade study and from the blade loading distribution study. It is the ultimate goal of this consortium team to integrate the available CFD analysis to design an advanced technology impeller that is suitable for use in the NASA Space Transportation Main

Engine (STME) fuel turbopump.
Descriptors: *Centrifugal force; *Impellers; *Leakage; *Rotor blades (Turbomachinery); *Shrouds; *Turbine pumps; Contours; Leading edges; Space transportation; Trailing edges
Identifiers: NTISNASA
Section Headings: 81G (Combustion, Engines, and Propellants--Rocket Engines and Motors); 46B (Physics--Fluid Mechanics)

19/5/4 (Item 1 from file: 144)
DIALOG(R)File 144:Pascal

13350499 PASCAL No.: 98-0077688
Canopy transmittance inversion using a line quantum probe for a row crop
COHEN S; SUDHAKARA RAO R; COHEN Y
Department of Environmental Physics and Irrigation, Institute of Soils and Water, ARO, Volcani Center, P.O.B. 6, Bet Dagan, Israel
Journal: Agricultural and forest meteorology, 1997, 86 (3-4) 221-230
ISSN: 0168-1923 CODEN: AFMEEB Availability: INIST-11784; 354000068465550016
Document Type: P (Serial) ; A (Analytic)
Country of Publication: Netherlands
Language: English Summary Language: English
 An 80-photo-sensor line probe was used to measure canopy transmittance of direct solar radiation under clear skies and to estimate plant area **index** (PAI) by inversion in **row** crops. The 80 sensors were found to have significant differences in sensitivity and **offset** . Standard deviations of offsets and calibration intercepts were approximately 5 mu mol m SUP - SUP 2 s SUP - SUP 1 for two Decagon Sunlinks and greater for three CID CI150s. Measurement of 'gap frequency' with the line probe by counting sensors above an appropriate threshold gave almost identical results to measurement of transmittance of direct photosynthetically active radiation (PAR), for high transmittance measured at high solar angles, but at low solar angles the 'gap frequency' was lower than transmittance. This was attributed to the intensity of irradiance in small gaps not exceeding the threshold. Variations in non-beam PAR were mostly in the direction perpendicular to the rows whereas those parallel to the row were small. A sample of four point measurements of diffuse irradiance at each position across the row was found to give an adequate mean for correcting transmittance values. Linear averaging of transmittance perpendicular to the row at high solar angles caused overestimates of transmittance, because of row clumpiness, leading to errors in the estimated mean leaf angle. Averages taken parallel to the row were much closer to theoretical predictions for a homogeneous canopy, and are therefore recommended. When measuring transmittance across the row, the number of sample positions required for 5% resolution of inversion estimates depends on row shadow length perpendicular to the row. When shadow length is less than row width, five positions are recommended; when all the ground is shaded two positions are sufficient. To obtain a standard error of less than 0.4 in estimated PAI, we recommend eight repetitions along the row. Inversion estimates of PAI from measurements made according to the recommended protocol were highly correlated with destructive measurements of PAI (r SUP 2 =0.93). However, at high PAI the results still underestimated PAI by approximately 20%, presumably because of clumping of plant parts in the row. (c) 1997 Elsevier Science B.V.
English Descriptors: Equipment specifications; Transmittance; Leaf area index; Inversion; Measurement method; Non destructive method; Experimental protocol; Linear array; Optical sensor; Sensor array; Canopy(vegetation); Zea mays; Photosynthetically active radiation; Direct solar radiation; Israel; Method study; Equipment performance; Rowcrop;

linear photo-sensor array probes; line quantum probe
Broad Descriptors: Asien; Metrologie; Gramineae; Monocotyledones; Angiospermae; Spermatophyta; Asia; Agrometeorology; Instruments; Metrology; Quantum optics; Optoelectronics; Cereal crop; Mediterranean Basin; Gramineae; Monocotyledones; Angiospermae; Spermatophyta; Asie; Agrometeorologie; Instrumentation; Metrologie; Optique quantique; Optoelectronique; Plante cerealiere; Bassin mediterraneen; Gramineae; Monocotyledones; Angiospermae; Spermatophyta; Asia; Agrometeorologia; Instrumentacion; Metrologia; Optica cuantica; Optoelectronica; Planta cerealista; Cuenca mediterranea

French Descriptors: Caracteristique appareillage; Facteur transmission; Indice foliaire; Inversion; Methode mesure; Methode non destructive; Protocole experimental; Barrette lineaire; Capteur optique; Reseau capteur; Canopee; Zea mays; Rayonnement photosynthetiquement actif; Rayonnement solaire direct; Israel; Etude methode; Performance du materiel; Culture en ligne; Sonde LPA; Sonde quantique lineaire

Classification Codes: 002A32C03A1A

19/5/5 (Item 1 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management

01665046 20020705017
Roll-press briquetting helps general electric glass plant simplify recycling of furnace flue gas precipitator dust
(Walzenpresse-Brikettierung zum Recycling von Rueckstaenden aus der Abgasreinigung in der Glasfabrik von General Electric)
Dietzel, H; Komarek, R
Komarek Inc., Elk Grove, USA
Powder Handling and Processing, v14, n2, pp120-122, 2002
Document type: journal article Language: English
Record type: Abstract
ISSN: 0934-7348

ABSTRACT:
A roll press briquetting system eliminates the maintenance problems associated with a pellet rolling method used earlier to process dust for recycling. A new electrostatic precipitator (EP), a four-field design, can capture 650 lbs (300 kg) of dust per day from the furnace exhaust stream generated as the plant produces a daily average of 100 tons of lighting components. Tests on samples of EP dust confirmed that the material formed into briquettes readily under pressure alone, with no need for any addition of moisture or other binders. In a relatively small, low-speed mill to produce a stick-like briquette with an oval cross-section slightly larger than the diameter of a pencil, briquettes are formed by two vertically opposed, counter-rotating rolls, each 305 mm in diameter and 76 mm wide, with half-briquette cavities (pockets) machined into their circumference faces. Each roll has two **rows** of pockets across its face arranged in on **offset** , or staggered pattern, with each **row** containing 96 pockets around the roll circumference. Both rolls are **indexed** so the pockets on opposing rolls match as the rolls turn, with upper and lower halves closing to form whole briquette-shaped cavities as they pass through the vertical centreline between rolls. A horizontal infeed screw delivers EP dust between the rolls at the region where the rolls come together, filling the pockets just prior to closure. Pressure applied to the dust by the closing of the pockets as they pass through centerline compresses the material into

a chalk-like mass. Designed to run slowly, with a maximum roll speed of 1 RPM and maximum feed screw speed of 392 RPM, the mill is equipped with General Electric variable-frequency speed controls, which let both functions be adjusted to match briquetting throughput with the output volume of dust to make processing steady and continuous.

DESCRIPTORS: LIGHTING GLASS; FIELD EXPERIENCE; BRIQUETTING; BRIQUETTING PRESSES; ANGULAR SPEED; OPEN LOOP SPEED CONTROL METHOD; DUST COLLECTORS; FREQUENCY CHANGER--POWER ENGINEERING; GLASS FURNACES; GLASS PRODUCTS; POWDERED GLASS; COMPACTING; POWDER COMPACTION; RECYCLING TECHNIQUE; MATERIALS RECOVERY; TECHNICAL DATA; UNITED STATES OF AMERICA; ROLL COMPACTION
IDENTIFIERS: Glasofen; Glasstaub-Recycling; Brikettierung; Rollenpresse
?

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File 275:Gale Group Computer DB(TM) 1983-2006/Dec 14
         (c) 2006 The Gale Group
File  47:Gale Group Magazine DB(TM) 1959-2006/Dec 13
         (c) 2006 The Gale group
File 621:Gale Group New Prod.Annou.(R) 1985-2006/Dec 12
         (c) 2006 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2006/Dec 14
         (c) 2006 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2006/Dec 13
         (c)2006 The Gale Group
File 624:McGraw-Hill Publications 1985-2006/Dec 14
         (c) 2006 McGraw-Hill Co. Inc
File  98:General Sci Abs 1984-2006/Dec
         (c) 2006 The HW Wilson Co.
File 553:Wilson Bus. Abs. 1982-2006/Dec
         (c) 2006 The HW Wilson Co
File  15:ABI/Inform(R) 1971-2006/Dec 15
         (c) 2006 ProQuest Info&Learning
File 635:Business Dateline(R) 1985-2006/Dec 15
         (c) 2006 ProQuest Info&Learning
File   9:Business & Industry(R) Jul/1994-2006/Dec 14
         (c) 2006  The Gale Group
File 610:Business Wire 1999-2006/Dec 15
         (c) 2006 Business Wire.
File 810:Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 647:CMP  Computer Fulltext 1988-2006/Feb W1
         (c) 2006 CMP Media, LLC
File 674:Computer News Fulltext 1989-2006/Sep W1
         (c) 2006 IDG Communications
File 696:DIALOG Telecom. Newsletters 1995-2006/Dec 15
         (c) 2006 Dialog
File 369:New Scientist 1994-2006/Sep W4
         (c) 2006 Reed Business Information Ltd.
File 613:PR Newswire 1999-2006/Dec 15
         (c) 2006 PR Newswire Association Inc
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc
File 370:Science 1996-1999/Jul W3
         (c) 1999 AAAS
File  16:Gale Group PROMT(R) 1990-2006/Dec 14
         (c) 2006 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 484:Periodical Abs Plustext 1986-2006/Dec W2
         (c) 2006 ProQuest
File 634:San Jose Mercury  Jun 1985-2006/Dec 14
         (c) 2006 San Jose Mercury News

Set     Items   Description
S1    1595376   ROW OR ROWS OR COLUMN? ?
S2    8036750   POINTER OR INDEX? OR KEY? ?
S3     979165   OFFSET OR OFF()SET
S4   29457828   FIND? OR RETRIEV? OR SEARCH??? OR INQUIR??? OR LOOK??? OR -
             TARGET??? OR LOCAT??? OR  TRACK??? OR IDENTIFY??? OR IDENTIFI-
             E? ? OR IDENTIFICATION OR SPOT? ? OR SPOTT??? OR CHECK??? OR -
             DETECT??? OR RECOGNI? OR DISTINGUISH???
S5    3958774   S4(3N)(INFORMATION OR INFO OR DATA OR DOCUMENT? OR BYTE? OR
              BIT? ? OR BLOCK? OR CODE? OR PATTERN? OR PAGE? OR WEBPAGE OR
             WEB()PAGE? OR STRING? OR SEQUENCE? OR STREAM OR FILE? OR CONT-
             ENT?)
```

S6	20562	SERIALI? OR BYTE()STREAM? OR BYTESTREAM?
S7	55	S1(5N)S2(5N)S3
S8	8	S7(50N)(S5 OR S6)
S9	5	RD (unique items)
S10	0	S9 AND PY=2003:2006
S11	5	S9 NOT S10
S12	1708	S1(100N)S2(100N)S3
S13	195	S12(100N)(S5 OR S6)
S14	1	S12(100N)S5(100N)S6
S15	1	S14 NOT S10
S16	0	S15 AND PY=2003:2006
S17	125	RD S13 (unique items)
S18	1	S17/TI,AB
S19	1	S18 NOT S11

11/3,K/1 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01708676 SUPPLIER NUMBER: 16207231 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Programming OS/2 containers. (PC Tech: Power Programming)(Column) (Tutorial)
Scharf, Guy
PC Magazine, v13, n20, p313(5)
Nov 22, 1994
DOCUMENT TYPE: Tutorial ISSN: 0888-8507 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 4335 LINE COUNT: 00359

... to the column heading string or the bitmap or icon.
The variable offStruct specifies the **location** of the **data** in the record. All data displayed in a column must be **located** in the **data** record. Note, however, that the offStruct value for a **column** of CFA--STRING is the **offset** of a **pointer** to a null-terminated string (PSZ), not the offset to the beginning of an array...

11/3,K/2 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01469111 SUPPLIER NUMBER: 11585254 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Put it there: (at)INDEX and (PUT) team up to let you quickly enter or change data in a table. (1-2-3 Macros)(column) (Tutorial)
Delonas, Nicholas
Lotus, v7, n12, p20(3)
Dec, 1991
DOCUMENT TYPE: Tutorial ISSN: 8756-7334 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1274 LINE COUNT: 00094

... position of the column, and the row[underscore]offset is the relative position of the **row** that you want to examine in range. The first column in the range is offset...

11/3,K/3 (Item 3 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01312684 SUPPLIER NUMBER: 07770844 (USE FORMAT 7 OR 9 FOR FULL TEXT)
ProQube instantly transposes 3-D spreadsheet data. (Software Review) (FormalSoft's spreadsheet) (evaluation)
Stinson, Craig
PC Magazine, v8, n19, p46(1)
Nov 14, 1989
DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 897 LINE COUNT: 00069

... and top faces.
Two other ProQube attractions are worth singling out. The first is a **page - look** -up function, which lets you create an array of look-up tables with each table...

...own page. The function uses the upper-left-corner cell of each page as an **index** value and accepts both **column** and **row offset** arguments. This function has no direct counterpart in most other spreadsheet programs; it is handy...

11/3,K/4 (Item 4 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01207629 SUPPLIER NUMBER: 06168704 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Fast two-way data tables. (1-2-3 macros)
Gasteiger, Daniel
Lotus, v3, n5, p29(5)
May, 1987
ISSN: 8756-7334 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 2678 LINE COUNT: 00196

... 3 rows down from the top-left corner of morttab.
We'll control where our @ **INDEX** functions **look** for **data** by entering **column** and **row offset** values into cells referenced by the functions. To see how this works, enter labels as...

11/3,K/5 (Item 5 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01207552 SUPPLIER NUMBER: 06168818 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Mail merge in 1-2-3 Release 2.
Tosi, Kay
Lotus, v3, n3, p84(5)
March, 1987
ISSN: 8756-7334 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 2854 LINE COUNT: 00209

... To access the Tufts University information in this database, you must supply zero as the **row offset** .
Enter @ **INDEX** (A2..L5,20) in cell B8. The function returns the label Ellen. This is the...

...row number 0 (row 2 of the worksheet). When you know where in a range **information** is **located** , you can retrieve it with the @INDEX function. Before going on to the next section...

...which the letter is being sent. Similarly, move the pointer to cell B12 and enter @ **INDEX** (data,5,record). By changing the **column offset** to 5, you tell 1-2-3 to return the street address of the institution...
...city/state/zip code label. This isn't difficult, merely laborious. The formula is a **bit** lengthy, and it **looks** like this: @INDEX(**data** ,6,record)&", "&@INDEX(data, 7,record)&" "&@INDEX(data,8,record)
This formula uses three @INDEX...

15/3,K/1 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01678501 SUPPLIER NUMBER: 15102627 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Select* from RDBMS. (competition increasing in relational database management systems market) (Special Report: DB/Expo 94)
Menninger, Dave
Data Based Advisor, v12, n4, p76(7)
April, 1994
ISSN: 0740-5200 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 4082 LINE COUNT: 00329

... guarantees that multiple reads of the same rows within a transaction produce consistent results.

4. **Serializable** --Even with the repeatable read isolation level, you could create a set of transactions that...

...a different set of rows due to changes processed by another transaction. Since the new **rows** weren't involved in the original read, no locks were maintained and another process was...

...it's important to understand the granularity of the lock. The two primary schemes are **row** -level locking or page-level locking. Several vendors allow you to specify table-level locking if you prefer. **Row** -level locking only locks the **row** (s) involved in the transaction. Page-level locking locks the entire data page which contains the **row** (s) involved. If your data pages contain more than one **row** , you could end up with unintended and unnecessary **row** locks. The argument for page-level locking is that it yields better performance. Vendors that offer **row** -level locking suggest that the gains in concurrency **offset** any extra overhead needed to manage updates down to the **row** level. Oracle and others offering **row** -level-locking typically offer a configuration setting to support page-level locking too.

InterBase employs a multi-generational scheme or multiple versions of each **row** involved in a transaction. These versions are maintained as long as there are any "readers." Once the readers have all completed their transactions, the old versions of any **rows** involved in the transaction are released and during the next garbage collection process and the space is reclaimed. This approach guarantees read repeatability since every **row** involved in a transaction is maintained for the duration of the transaction. Oracle also offers...

...multiple versions. InterBase stores the multiple versions on the same data page as the original **row** .

Optimization

In the good old days, database administrators spent hours tweeking and tuning queries until...the clauses within a SQL statement. Based on statistics about the tables involved and the **indexes** available, an access plan is created which minimizes I/O and processing time. Generally these...
?

19/3,K/1 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)

04161668 SUPPLIER NUMBER: 16265911 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Look it up with (at) functions. (1-2-3 Tips) (Lotus Special Section) (Tutorial)
Maguiness, David
PC World, v12, n12, pL23(2)
Dec, 1994
DOCUMENT TYPE: Tutorial ISSN: 0737-8939 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1324 LINE COUNT: 00095

...ABSTRACT: 3 that support lookup capabilities is presented. Nearly half of lookup (at) functions include an ' **offset** ' argument, a number that represents the position of the **column** or **row** a field occupies in a table. The (at)VLOOKUP and (at)HLOOKUP functions can create...

...used to look up a value lower than the range of values in the first **row** or **column** of the lookup table; instructions for trapping these errors are presented. Lookups can be forced...

...return nothing at all if there is no exact match using special commands. The (at) **INDEX** function returns the cell contents **column** , **offset** **columns** to the right and **row** , **offset** **rows** down from the upper left corner of range. (at)XINDEX eliminates such counting, and (at...

...MINLOOKUP functions in Release 5.0 for Windows return the absolute address of a cell. **Finding** **data** that meets specific criteria is easy using (at)DGET.